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ABSTRACT

This report presents data compiled from the 118 United States and Canadian research libraries that were members of the Association of Research Libraries (ARL) during the 1985-86 fiscal year. ARL membership consists of 106 university libraries and 12 public or private, independent research libraries. Following a brief introductory summary of ARL 1985-86 expenditures and a discussion of changes in the presentation and collection of data since the previous year, data tables describe research library collections, interlibrary loans, expenditures, and staffing in fiscal 1986. Additional report sections include: an analysis of selected variables; Ph.D., faculty, and enrollment statistics; a summary of rank order tables for ARL university libraries; and rank order tables for volumes in library, volumes added (gross), current serials (total), microform holdings (total), materials expenditures, salaries and wages expenditures, other operating expenditures, total expenditures, monographs purchased (volumes), expenditures for monographs, serials purchased (titles), expenditures for serials, total items loaned, total items borrowed, professional staff, nonprofessional staff, and total staff. A copy of the ARL statistics questionnaire and footnotes are included. (KM)

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ARL STATISTICS 2 1985-86

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ARL STATISTICS, 1985-86

ARL STATISTICS

1985-86

**A COMPILATION OF STATISTICS
FROM THE ONE HUNDRED AND EIGHTEEN MEMBERS OF THE
ASSOCIATION OF RESEARCH LIBRARIES**

Compiled by
Nicola Daval
and
Alexander Lichtenstein

**ASSOCIATION OF RESEARCH LIBRARIES
WASHINGTON, D.C.
1987**

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TABLE OF CONTENTS

I. Introduction 4

II. ARL Library Data Tables 6

Totals 25

III. Analysis of Selected Variables 28

IV. Ph.D., Faculty, and Enrollment Statistics 29

V. Summary of Rank Order Tables of University Libraries 32

VI. Rank Order Tables of University Libraries

1 - Volumes in Library 38
2 - Volumes Added (Gross) 39
3 - Current Serials (Total) 40
4 - Microform Holdings (Total) 41
5 - Materials Expenditures 42
6 - Salaries & Wages Expenditures 43
7 - Other Operating Expenditures 44
8 - Total Expenditures 45
9 - Monographs Purchased (Volumes) 46
10 - Expenditures for Monographs 47
11 - Serials Purchased (Titles) 48
12 - Expenditures for Serials 49
13 - Total Items Loaned 50
14 - Total Items Borrowed 51
15 - Professional Staff (FTE) 52
16 - Nonprofessional Staff (FTE) 53
17 - Total Staff (FTE) 54

VII. ARL Statistics Questionnaire, 1985-86 55

VIII. Footnotes to the ARL Statistics, 1985-86 63

INTRODUCTION

The 1985-86 *ARL Statistics* presents data from the 118 U.S. and Canadian research libraries that were members of the Association of Research Libraries during the 1985-86 fiscal year. The ARL membership consists of 106 university libraries and 12 public or private, independent research libraries.

Expenditures for ARL university libraries topped the $1 billion mark this year, an 8.4% increase over 1984-85 expenditures, while expenditures for the membership as a whole were over $1.4 billion, a 6.58% increase over last year. For university libraries, approximately 32% of expenditures were for library materials (with current serials taking up about half of that amount), 1% for binding, 53% for salaries and wages, and 13% for other operating expenditures, a catch-all category for nonmaterials and nonsalary expenditures (e.g., automation expenditures). Median figures for ARL university library members showed that expenditures for library materials rose by 7.8% this year, with expenditures for serials increasing by 7.44% over 1984-85; salary and wage figures rose by 5.95%, while the number of total staff increased about 1.94%; other operating expenditures in university libraries rose 17.45%; and finally, total operating figures for this group were 11.65% higher than last year.

A number of substantive changes have been made to the *ARL Statistics* this year.

- Two new elements were added: **Number of Monographic Volumes Purchased** and, for university libraries, **Number of Full-time Instructional Faculty** at the parent institution. (Both of these questions had been tested during the previous two years in supplementary statistics surveys.)

- **Expenditures** were disaggregated in an attempt to collect more comparable data. Libraries were asked to report figures for materials expenditures in four individual categories: monographs, current serials, other (e.g. audiovisual materials, microforms, etc.), and miscellaneous (non-materials expenditures made from the materials budget, e.g. bibliographic utilities). Salary and wage figures were to be disaggregated into professional, nonprofessional, and student assistants.

- **Current Serials** were disaggregated into **Current Serials Purchased** and Current **Serials Not Purchased.**

- **Interlibrary Loan** figures have been aggregated; only totals for items borrowed and items loaned were reported, instead of originals and photocopies in each category, as in previous years.

As is the case when any changes are introduced, a number of libraries were not able to supply the data for the new elements or for the disaggregated categories. It is anticipated that in future years additional libraries will supply these data.

In addition to adding new and more precise data elements, the Committee on ARL Statistics has been working to clarify definitions and instructions which have been subject to misinterpretation,[1] and encouraging member libraries to bring their reporting into full compliance with the ARL definitions. Also, new procedures have been adopted to check the data submitted by member libraries for accuracy and consistency and to explain anomalies.

Because of the new data elements and the adjustments a number of libraries have made in their reporting procedures to be more consistent with the ARL definitions, caution should be used in comparing this year's data to previous year's, especially data on collections. For example, a number of libraries discovered that their treatment of government documents was not consistent with ARL's definitions and have adjusted their figures for volumes held, current serials, and microform holdings accordingly. In some cases, this has resulted in changes of relative position in the rank order tables.

Those using the *ARL Statistics* to compare individual institutions will need to consult the symbols indicated on the "ARL Library Data Tables" and the "Footnotes." Although the definitions and procedures used in the *Statistics* questionnaire are aimed at achieving consistency, as noted above, variant reporting practices do exist among ARL libraries. To aid comparability, expenditures of Canadian libraries are expressed in U.S. dollars in the *ARL Statistics*; the exchange rate used for 1985-86 is 1.3817 Canadian dollars to one U.S. dollar.[2]

The rank order tables presented in this publication are not intended to imply qualitative evaluations of the institutions described. In comparing any individual library to ARL medians or to other ARL members, one must always make evaluations within the context of local goals and characteristics.

Nicola Daval
ARL Information Officer
April 1987

Notes

1. The survey form and instructions, including definitions, for the 1985-86 *ARL Statistics* are reprinted on pages 55-62.

2. The rate used is the average monthly noon exchange rate published in the Bank of Canada *Review* for the period July 1985-June 1986. Expenditures as reported in Canadian dollars are given in the "Footnotes" to the *ARL Statistics*.

ARL LIBRARY DATA TABLES

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
ALABAMA	GLM+	1	1,654,865	43,712	42,490	24,724	15,482	278	15,760	1,193,985
ALBERTA	BLM+	2	2,685,788	92,345	79,224	58,968	20,109	2,408	22,608	2,187,473
ARIZONA	LM+	3	3,139,481	102,612	90,309	69,691	31,550	342	31,892	3,149,171
ARIZONA STATE	BL	4	2,108,370	116,615	107,608	59,113	U/A	U/A	34,648	2,285,360
BOSTON	GLM+	5	1,648,586	56,764	45,550	24,893	17,675	11,454	29,129	2,329,404
BRIGHAM YOUNG	+	6	1,802,197	65,266	63,196	39,964	10,223	6,999	17,222	1,382,794
BRITISH COLUMBIA	GLM+	7	2,555,667	97,837	90,083	62,727	19,462	4,059	23,521	822,692
BROWN	b+	8	2,015,469	50,686	49,309	45,961	13,234	2,325	15,559	971,022
CALIF.,BERKELEY		9	8,845,732	254,231	234,860	U/A	U/A	U/A	97,971	3,385,153
CALIF.,DAVIS	bLM+	10	2,082,128	92,477	86,691	55,644	42,038	8,526	50,564	2,361,360
CALIF.,IRVINE	MG	11	1,239,130	61,017	60,311	39,011	14,958	946	15,904	1,186,867
CALIF.,LOS ANGELES	M+	12	5,486,955	296,309	132,017	U/A	U/A	U/A	88,545	3,835,492
CALIF.,RIVERSIDE	+	13	1,250,372	47,239	45,953	46,183	9,970	3,698	13,668	1,075,296
CALIF.,SAN DIEGO	GM+	14	1,760,614	85,407	62,413	62,478	U/A	U/A	19,475	1,044,147
CALIF.,SANTA BARBARA	b+	15	1,745,803	49,381	47,213	U/A	U/A	U/A	21,247	1,748,593
CASE WESTERN RESERVE	GLM+	16	1,493,579	29,359	24,389	11,060	12,686	708	13,394	609,311
CHICAGO	LM+	17	4,756,076	101,139	95,393	U/A	U/A	U/A	47,685	1,474,116
CINCINNATI	GLM+	18	1,827,809	81,434	57,674	U/A	U/A	U/A	19,652	2,094,891
COLORADO	GL+	19	2,996,964	80,783	45,001	23,029	13,292	511	13,803	980,582
COLORADO STATE	G+	20	1,071,104	31,814	30,285	14,705	8,445	3,316	11,761	142,954

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
1	6,555	3,943	51	68	51	170	814,847	1,344,912	5,965	45,823
2	12,617	10,899	66	280	37	402	718,931	1,865,921	U/A	N/A
3	36,177	7,050	96	179	90	365	1,529,644	2,424,261	147,567	271,370
4	22,764	7,714	74	188	64	326	1,957,643	2,267,702	93,379	29,180
5	18,987	34,111	64	146	89	299	830,226	1,569,746	62,944	73,770
6	8,223	9,544	88	44	166	298	1,763,374	984,062	182,339	0
7	16,694	9,014	103	275	47	425	1,464,378	1,705,859	U/A	U/A
8	8,623	4,924	73	104	52	229	1,117,216	1,011,939	U/A	U/A
9	39,620	16,554	173	292	285	750	2,609,273	2,878,556	U/A	U/A
10	30,751	7,047	72	187	57	316	1,443,797	2,455,241	251,521	0
11	11,410	7,878	46	97	68	211	1,262,772	1,521,500	294,357	U/A
12	55,299	9,881	206	307	182	695	3,846,191	3,003,979	U/A	U/A
13	6,634	8,286	32	83	31	146	1,252,247	870,577	40,562	5,190
14	14,622	6,572	66	162	72	300	1,695,550	1,275,474	567,588	37,913
15	6,210	9,555	57	139	43	239	U/A	1,332,640	U/A	U/A
16	38,589	7,193	66	83	31	180	411,995	1,239,597	55,990	50,247
17	45,254	5,787	77	199	81	357	U/A	1,779,105	U/A	U/A
18	25,386	8,819	79	125	79	283	1,184,463	1,524,677	U/A	U/A
19	14,537	8,455	47	100	56	203	823,359	1,426,176	127,873	83,899
20	10,196	9,743	43	75	23	141	503,038	659,669	28,893	197,106

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,211,547	107,244	1,064,805	782,230	353,609	2,200,644	569,862	5,089,297	ALABAMA
2,584,852	90,236	2,216,815	4,307,098	420,496	6,944,409	1,195,215	10,814,712	ALBERTA
4,402,842	322,204	2,194,871	2,435,035	592,569	5,222,475	1,281,296	11,228,817	ARIZONA
4,347,917	235,043	1,846,905	2,461,065	374,384	4,682,354	1,343,519	10,608,833	ARIZONA STATE
2,536,686	124,915	1,601,630	1,886,988	400,964	3,889,582	1,809,909	8,361,092	BOSTON
2,929,775	98,553	1,924,088	757,237	1,179,349	3,860,674	887,463	7,776,465	BRIGHAM YOUNG
3,170,237	146,597	2,724,023	3,701,322	632,452	7,057,797	701,969	11,076,600	BRITISH COLUMBIA
2,129,155	133,758	1,820,807	1,384,163	255,790	3,460,760	1,773,711	7,497,384	BROWN
5,487,829	649,809	U/A	U/A	U/A	16,159,145	2,818,066	25,114,849	CALIF.,BERKELEY
4,150,559	381,266	2,229,645	3,448,669	764,024	6,442,338	1,203,079	12,177,242	CALIF.,DAVIS
3,078,629	212,548	1,566,829	1,982,613	956,301	4,505,743	1,292,109	9,089,029	CALIF.,IRVINE
6,850,170	845,584	6,253,425	6,743,378	2,048,136	15,044,939	4,788,344	27,529,037	CALIF.,LOS ANGELES
2,168,576	163,750	1,054,425	1,639,735	477,010	3,171,170	799,694	6,303,190	CALIF.,RIVERSIDE
3,576,525	295,457	2,066,664	2,974,103	717,184	5,757,951	1,706,188	11,336,121	CALIF.,SAN DIEGO
3,078,333	236,228	2,037,072	2,606,338	724,426	5,367,836	1,080,897	9,763,294	CALIF.,SANTA BARBARA
1,757,829	71,277	1,676,782	986,639	193,477	2,856,898	1,579,450	6,265,454	CASE WESTERN RESERVE
3,443,966	248,708	1,852,478	3,529,808	931,530	6,313,816	2,598,539	12,605,029	CHICAGO
2,709,140	136,659	U/A	U/A	511,174	4,633,198	1,292,803	8,771,800	CINCINNATI
2,261,107	126,175	1,276,112	1,871,815	510,909	3,658,836	529,231	6,575,349	COLORADO
1,388,706	80,000	1,059,629	1,255,252	122,737	2,437,618	308,669	4,214,993	COLORADO STATE

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microfor Units In Library
			1	2	3	4	5	6	7	8
COLUMBIA	LM+	21	5,551,739	121,669	90,754	46,000	30,665	32,765	63,430	3,388,230
CONNECTICUT	GLM+	22	2,013,043	68,312	52,436	U/A	U/A	U/A	19,872	2,209,378
CORNELL	BL+	23	4,870,570	129,755	115,190	129,755	58,504	U/A	58,504	3,989,843
DARTMOUTH	GM+	24	1,614,015	37,141	34,893	U/A	16,427	3,728	20,155	1,801,291
DELAWARE	G+	25	1,723,465	54,569	54,569	U/A	U/A	U/A	20,590	1,3
DUKE	GLM+	26	3,510,645	92,093	85,710	54,025	U/A	U/A	35,969	1,3
EMORY	MG+	27	1,951,101	66,931	60,575	U/A	U/A	U/A	17,969	1,4
FLORIDA	GLM+	28	2,539,417	78,902	64,875	49,025	25,727	3,785	29,512	2,3
FLORIDA STATE	GBL+	29	1,624,138	47,477	45,541	U/A	U/A	U/A	17,233	2,458,815
GEORGETOWN	MG+	30	1,553,057	65,104	61,708	47,990	U/A	U/A	20,485	1,497,147
GEORGIA	BL+	31	2,510,730	95,057	95,057	U/A	41,991	11,562	53,553	3,375,262
GEORGIA TECH	+	32	1,468,638	49,685	41,115	8,257	18,786	9,771	28,557	2,635,215
GUELPH	bG+	33	1,634,610	69,924	69,924	23,558	U/A	U/A	10,047	9
HARVARD	M+	34	11,136,662	217,757	187,286	U/A	U/A	U/A	102,000	4,1
HAWAII	G+	35	2,089,176	77,913	76,030	28,641	26,960	6,929	33,889	2,3
HOUSTON	GL+	36	1,485,706	52,513	50,961	34,851	21,698	883	22,581	2,8
HOWARD	LM+	37	1,541,337	70,499	67,019	35,030	24,118	848	24,966	2,266,115
ILLINOIS	GL+	38	7,000,170	198,837	192,122	72,133	U/A	U/A	92,913	2,894,312
INDIANA	L+	39	3,786,962	118,254	114,767	U/A	U/A	U/A	32,586	1,256,323
IOWA	LM+	40	2,754,851	99,184	93,123	U/A	34,628	2,669	37,297	2,724,049

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
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ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
21	28,006	7,296	151	302	144	597	2,730,950	1,995,547	53,447	0
22	24,283	10,333	63	100	62	225	U/A	1,360,071	U/A	U/A
23	28,176	10,063	166	328	58	552	4,981,874	U/A	U/A	U/A
24	11,125	6,543	41	105	36	182	773,057	1,126,957	242,186	U/A
[illegible]	8,844	2,926	50	96	31	177	1,689,022	1,240,787	U/A	0
[illegible]	27,594	4,274	96	173	48	317	1,498,608	1,924,122	81,422	90,978
[illegible]	24,237	5,539	60	124	46	230	1,078,111	1,378,980	280,912	55,979
[illegible]	28,044	6,184	96	148	142	386	1,325,423	1,642,796	246,112	459,989
29	22,342	5,471	56	97	77	230	1,174,010	1,389,858	63,200	47,467
30	5,848	3,840	73	112	88	273	1,183,061	1,206,460	415,893	39,564
31	28,401	4,936	79	173	102	354	1,046,716	2,660,530	367,813	0
32	16,277	2,196	49	50	12	111	295,658	797,926	210,499	0
[illegible]	2,772	4,400	33	109	15	157	506,174	820,216	364,460	U/A
[illegible]	39,007	9,287	318	575	151	1,044	3,915,496	3,444,002	569,258	48,174
[illegible]	9,621	2,132	62	98	63	223	1,120,645	1,327,462	101,760	U/A
[illegible]	9,774	7,950	47	104	71	222	899,681	1,344,221	45,610	134,232
37	2,859	914	86	145	34	265	1,219,077	2,165,168	8,541	12,222
38	122,803	144,760	127	288	141	556	2,381,217	2,437,957	U/A	170,995
39	29,589	9,364	109	218	182	509	2,149,576	1,651,253	99,605	15,000
40	44,763	7,926	81	99	79	259	1,453,740	2,118,314	70,342	278,209

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
4,779,944	461,803	4,637,460	4,584,836	1,126,460	10,348,756	2,440,687	18,031,190	COLUMBIA
2,660,868	153,911	U/A	U/A	414,796	4,358,795	701,378	7,874,952	CONNECTICUT
4,981,874	248,842	4,216,057	3,619,659	605,729	8,441,445	2,792,257	16,464,418	CORNELL
2,142,200	61,643	1,074,996	1,424,452	116,928	2,616,376	873,043	5,693,262	DARTMOUTH
2,929,809	138,940	1,232,587	1,300,866	204,761	2,738,214	824,662	6,631,625	DELAWARE
3,595,130	175,260	2,728,601	2,360,802	260,115	5,349,518	1,954,043	11,073,951	DUKE
2,793,982	145,781	1,625,109	1,664,555	441,730	3,731,394	1,668,915	8,340,072	EMORY
3,674,290	184,245	2,185,467	2,133,712	659,500	4,978,679	1,038,276	9,875,490	FLORIDA
2,674,535	127,098	1,300,516	1,142,751	380,761	2,824,028	326,190	5,951,851	FLORIDA STATE
2,844,978	158,535	U/A	U/A	U/A	4,510,208	1,647,402	9,161,123	GEORGETOWN
4,075,059	238,179	1,646,677	1,990,275	451,125	4,088,077	1,196,454	9,597,769	GEORGIA
1,304,083	66,437	1,214,172	912,757	113,074	2,240,003	697,864	4,308,387	GEORGIA TECH
1,690,850	47,905	1,025,505	1,393,108	101,337	2,519,950	57,885	4,316,590	GUELPH
7,973,926	673,720	8,481,442	8,041,047	1,110,998	17,633,487	4,707,296	30,988,429	HARVARD
2,549,867	202,010	1,949,084	1,670,341	509,729	4,129,154	1,539,606	8,420,637	HAWAII
2,423,744	64,870	1,331,175	1,570,160	539,432	3,440,767	827,969	6,757,350	HOUSTON
3,405,008	153,377	2,786,651	2,520,179	160,136	5,466,966	1,630,734	10,656,085	HOWARD
4,990,169	233,666	3,524,645	3,234,287	1,076,319	7,835,251	2,369,275	15,428,361	ILLINOIS
3,915,434	229,348	2,979,426	2,671,935	982,634	6,633,995	1,127,687	11,906,464	INDIANA
3,920,605	232,313	2,285,886	1,391,003	477,315	4,154,204	361,669	8,668,791	IOWA

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
[illegible] STATE	G+	41	1,663,235	63,139	53,433	29,450	13,609	6,084	19,693	[illegible]
[illegible] HOPKINS	M+	42	2,821,732	79,111	57,044	34,825	15,630	4,394	20,024	[illegible]
[illegible]	GLM+	43	2,571,998	87,946	68,250	32,625	21,442	8,024	29,466	[illegible]
[illegible] STATE	G+	44	1,008,588	39,661	38,768	23,637	6,875	900	7,376	[illegible]
KENTUCKY	GLM+	45	1,992,499	44,363	29,766	24,683	U/A	U/A	15,072	1,652,315
LAVAL	+	46	1,541,660	55,538	50,917	19,605	10,295	3,427	13,722	632,926
LOUISIANA STATE	GLM+	47	2,210,758	65,291	62,918	29,811	17,970	4,870	22,840	1,117,553
MCGILL	bGLM+	48	2,347,242	60,543	53,436	40,465	14,555	3,458	18,013	804,556
[illegible]	GM+	49	1,218,070	47,509	42,882	34,991	9,545	695	10,240	[illegible]
[illegible]	GLM+	50	1,401,940	46,227	36,864	23,863	11,463	970	12,433	[illegible]
[illegible]	G+	51	1,780,065	87,563	82,866	46,845	17,341	3,317	20,658	[illegible]
[illegible]	+	52	2,129,500	67,077	61,883	34,339	12,190	1,948	14,138	[illegible]
MIT	+	53	2,029,455	81,855	35,454	21,272	9,730	11,417	21,147	1,494,571
MIAMI	LM+	54	1,552,907	52,707	44,460	25,200	U/A	U/A	21,565	847,220
MICHIGAN	LM+	55	5,920,576	145,349	115,080	U/A	33,418	32,688	66,106	3,090,623
MICHIGAN STATE	+	56	3,129,802	81,521	66,935	56,734	15,919	8,940	24,859	2,192,757
[illegible]	bLM+	57	4,206,431	116,470	101,366	U/A	28,610	15,949	44,559	[illegible]
[illegible]	GLM+	58	2,318,612	66,988	63,952	50,831	13,869	3,221	16,990	[illegible]
[illegible]	L+	59	1,833,868	62,772	60,491	28,534	U/A	U/A	23,756	[illegible]
[illegible] MEXICO	GLM+	60	1,880,054	53,197	46,020	32,051	U/A	U/A	17,105	[illegible]

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
[illegible]										
45	18,610	9,566	64	127	70	261	844,878	1,475,825	U/A	252,594
46	11,271	10,792	73	190	6	269	621,632	1,046,098	354,288	128,352
47	10,695	4,802	67	117	88	272	1,244,466	1,897,212	31,809	211,795
48	35,455	9,552	78	209	36	323	849,360	1,239,952	539,493	45,839
[illegible]										
53	16,092	3,319	87	156	37	280	672,312	1,363,005	44,917	183,294
54	15,214	10,853	65	121	57	243	951,333	1,263,216	71,636	6,792
55	28,295	13,302	145	306	125	576	U/A	2,595,949	U/A	U/A
56	7,351	4,950	77	131	117	325	1,539,043	1,465,066	U/A	0
[illegible]										

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,407,902	159,994	1,323,560	1,433,857	368,330	3,125,747	380,659	6,074,302	IOWA STATE
2,700,756	109,580	2,128,315	2,459,686	323,992	4,911,993	2,502,230	10,224,559	JOHNS HOPKINS
3,284,242	172,025	1,961,866	1,861,386	560,837	4,384,089	1,443,111	9,283,467	KANSAS
1,274,739	75,203	1,202,404	1,651,413	364,563	3,218,380	1,055,122	5,623,444	KENT STATE
2,573,297	92,433	1,579,244	1,556,523	497,981	3,633,748	1,096,141	7,395,619	KENTUCKY
2,150,370	62,152	2,162,668	2,940,051	59,789	5,162,508	616,481	7,991,511	LAVAL
3,385,282	191,534	1,810,103	1,204,155	547,777	3,562,035	869,992	8,008,843	LOUISIANA STATE
2,674,644	134,327	2,165,674	3,259,061	332,420	5,757,155	712,963	9,279,089	MCGILL
2,457,167	68,662	1,016,826	1,944,336	210,115	3,171,277	372,681	6,069,787	MCMASTER
1,947,032	112,816	1,564,469	2,030,712	296,415	3,891,596	534,962	6,486,406	MANITOBA
3,297,790	223,737	2,144,526	2,306,540	644,777	5,095,843	1,315,333	9,932,703	MARYLAND
2,157,163	90,289	1,912,350	1,788,314	197,856	3,898,520	636,457	6,782,429	MASSACHUSETTS
2,263,528	145,157	2,150,860	2,290,748	386,710	4,828,318	1,482,171	8,719,174	MIT
2,292,977	128,951	1,629,417	1,431,496	372,378	3,433,291	1,020,196	6,875,415	MIAMI
5,459,928	244,250	4,286,982	4,477,311	999,160	9,763,453	2,058,783	17,526,414	MICHIGAN
3,004,109	179,610	2,145,597	1,928,682	1,050,966	5,125,245	1,414,506	9,723,470	MICHIGAN STATE
4,486,453	355,967	3,114,686	3,547,942	1,678,410	8,341,038	1,773,243	14,956,701	MINNESOTA
4,299,835	160,564	1,332,968	1,654,824	457,420	3,445,212	696,577	8,602,188	MISSOURI
2,553,056	141,370	1,264,316	1,240,791	298,817	2,803,924	442,925	5,941,275	NEBRASKA
2,705,297	138,081	2,400,609	1,339,951	462,232	4,202,792	704,074	7,750,244	NEW MEXICO

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ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
NEW YORK	LM+	61	2,932,055	74,656	52,717	40,937	26,507	3,282	29,789	2,097,678
NORTH CAROLINA	LM+	62	3,301,751	120,512	117,234	85,102	23,869	20,644	44,513	2,474,007
NORTH CAROLINA STATE	GM+	63	1,153,720	47,280	42,989	27,986	12,567	2,872	15,439	2,622,754
NORTHWESTERN	LM+	64	3,206,698	97,577	82,931	48,233	U/A	U/A	25,317	1,669,565
NOTRE DAME	GL+	65	1,745,405	62,951	59,914	29,149	16,162	U/A	16,162	982,024
OHIO STATE	bLM+	66	4,077,575	110,862	94,180	63,616	22,708	8,604	31,312	2,552,137
OKLAHOMA	M G	67	2,492,364	60,838	56,954	32,425	16,736	634	17,370	3,116,807
OKLAHOMA STATE	G+	68	1,420,618	30,313	22,397	15,505	9,238	1,112	10,350	655,971
OREGON	GL+	69	1,706,612	46,737	32,514	48,120	14,949	3,319	18,268	1,486,211
PENNSYLVANIA	M	70	3,376,901	106,152	94,796	U/A	U/A	U/A	30,511	1,972,178
PENNSYLVANIA STATE	B+	71	2,808,553	91,180	73,022	U/A	U/A	U/A	29,161	2,687,484
PITTSBURGH	LM+	72	2,661,196	85,417	77,599	U/A	U/A	U/A	26,328	2,021,116
PRINCETON	+	73	3,856,638	107,393	104,671	60,238	U/A	U/A	36,290	1,991,432
PURDUE	G	74	1,695,718	50,815	40,269	13,951	17,660	564	18,224	1,530,998
QUEEN'S	GLM+	75	1,632,468	35,891	35,117	22,762	15,562	N/A	15,562	1,437,771
RICE	+	76	1,276,197	43,240	42,163	U/A	U/A	U/A	11,586	1,650,637
ROCHESTER	BM+	77	2,512,828	48,246	39,523	14,677	11,060	1,797	12,857	2,172,768
RUTGERS	GB+	78	2,300,292	86,082	81,379	48,420	U/A	U/A	18,694	2,288,283
SASKATCHEWAN	GLM+	79	1,253,984	47,900	45,275	34,108	U/A	U/A	10,118	1,547,564
SOUTH CAROLINA	LM+	80	2,175,766	65,942	58,724	27,473	15,578	3,320	18,898	2,252,284

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ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
61	10,074	6,846	106	183	69	358	1,287,459	1,626,761	514,899	84,879
62	24,210	4,220	114	204	90	408	2,173,863	1,918,056	336,865	0
63	27,879	4,310	42	116	55	213	752,117	1,419,969	447,941	38,127
64	13,722	9,467	103	148	92	343	1,576,972	1,738,873	98,061	8,833
[illegible]	7,748	5,661	40	106	31	177	898,172	1,077,027	163,762	[illegible]
[illegible]	35,643	10,566	108	253	158	460	1,608,885	2,297,934	U/A	U/A
[illegible]	25,970	19,105	49	85	54	188	785,833	1,322,082	77,865	[illegible]
[illegible]	3,401	4,549	41	70	66	187	441,199	1,007,637	36,900	[illegible]
69	10,606	5,549	50	89	61	200	892,896	1,212,073	34,758	413,098
70	12,868	13,855	111	177	85	373	1,557,189	1,547,416	U/A	0
71	19,621	10,112	112	278	67	457	1,619,854	2,085,880	U/A	0
72	24,770	7,101	87	167	79	333	951,847	1,580,769	87,304	5,934
[illegible]	7,176	6,370	97	229	53	379	1,914,377	1,823,342	368,625	0
[illegible]	12,501	5,084	43	168	83	294	708,359	1,586,595	15,515	0
[illegible]	6,459	6,616	40	153	23	216	813,461	1,015,228	5,338	253,388
[illegible]	18,211	2,589	33	72	39	144	U/A	U/A	U/A	U/A
77	20,918	6,782	63	106	71	240	767,539	1,549,120	U/A	U/A
78	17,866	9,839	99	240	126	465	1,541,678	1,547,481	832,056	131,966
79	7,481	11,676	36	115	20	171	772,698	1,214,875	U/A	U/A
80	13,570	6,392	59	112	33	204	721,588	1,364,973	U/A	0

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
3,513,998	225,468	3,343,864	3,146,051	543,057	7,032,972	2,029,378	12,801,816	NEW YORK
4,428,784	269,407	3,226,900	2,871,655	467,095	6,565,650	1,384,698	12,648,539	NORTH CAROLINA
2,658,154	139,010	1,111,423	1,721,697	418,894	3,252,014	1,166,178	7,215,356	NORTH CAROLINA STATE
3,422,739	192,395	3,036,318	2,172,512	702,914	5,911,744	1,147,586	10,674,464	NORTHWESTERN
[illegible]	114,628	1,083,153	1,291,502	196,059	2,570,714	774,491	5,638,794	NOTRE DAME
[illegible]	280,166	3,057,019	3,262,865	1,116,839	7,446,723	2,197,520	13,811,139	OHIO STATE
[illegible]	79,426	1,218,389	992,966	510,748	2,722,094	775,304	5,805,954	OKLAHOMA
[illegible]	86,534	930,858	634,237	369,174	1,934,269	1,185,808	4,699,819	OKLAHOMA STATE
2,552,825	110,074	1,242,371	1,174,256	273,993	2,690,620	472,281	5,825,800	OREGON
3,104,605	276,117	3,001,280	3,017,219	608,314	6,626,813	2,461,051	12,468,646	PENNSYLVANIA
3,705,734	236,581	U/A	U/A	U/A	7,396,002	3,481,896	14,820,213	PENNSYLVANIA STATE
2,625,854	157,825	2,168,405	U/A	U/A	4,911,446	1,198,863	8,893,988	PITTSBURGH
[illegible]	252,221	2,902,144	3,378,265	444,618	6,815,027	1,186,631	12,390,223	PRINCETON
[illegible]	105,366	1,159,168	2,075,905	343,015	3,578,088	609,075	6,602,987	PURDUE
[illegible]	87,124	U/A	U/A	184,848	3,144,447	285,079	5,604,165	QUEEN'S
[illegible]	46,881	1,042,071	809,473	119,921	1,971,465	665,102	4,540,456	RICE
2,369,639	106,216	1,594,477	1,488,749	265,861	3,349,087	776,641	6,601,583	ROCHESTER
4,053,181	337,530	3,685,816	4,158,953	859,560	8,704,329	1,348,473	14,443,513	RUTGERS
1,987,573	70,001	939,053	1,765,891	165,402	2,870,346	313,260	5,241,180	SASKATCHEWAN
2,086,561	121,656	1,574,298	1,373,475	213,572	3,161,345	419,245	5,788,807	SOUTH CAROLINA

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
SUNY-BUFFALO	LM+	85	2,371,181	66,169	62,462	U/A	18,959	4,744	23,703	3,088,337
SUNY-STONY BROOK	M+	86	1,522,497	49,996	48,753	U/A	U/A	U/A	13,117	2,459,066
SYRACUSE	bGL+	87	2,158,536	55,733	47,066	31,261	U/A	U/A	23,027	3,091,703
TEMPLE	BLM+	88	1,896,630	59,284	56,923	27,169	13,717	2,122	15,839	1,293,711
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
TULANE	GBLM+	93	1,630,587	56,836	54,300	30,925	U/A	U/A	14,716	1,518,124
UTAH	G+	94	1,588,466	56,818	51,808	U/A	U/A	U/A	14,348	2,172,112
VANDERBILT	GLM+	95	1,679,141	70,991	66,547	U/A	U/A	U/A	17,800	1,337,953
VIRGINIA	GLM+	96	2,812,167	110,519	98,763	75,452	19,768	2,550	22,318	3,578,749
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

B - Includes Branch Campuses
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22

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
[illegible]	3,349	2,239	117	157	103	377	1,023,564	1,820,598	165,016	323,[illegible]
[illegible]	49,570	8,288	87	87	92	266	670,027	1,468,992	52,783	31,[illegible]
[illegible]	29,569	7,381	154	339	91	584	3,441,593	2,502,061	U/A	[illegible]
[illegible]	18,800	9,390	61	75	20	156	589,569	1,104,320	64,510	222,[illegible]
85	24,963	7,650	91	116	65	272	977,072	1,563,204	240,785	155,408
86	19,125	6,021	52	116	50	218	1,002,979	1,244,368	33,105	266,917
87	5,605	4,516	67	141	35	243	915,209	1,774,950	83,201	0
88	9,627	4,913	68	116	75	259	1,305,129	1,113,523	42,541	214,845
[illegible]	24,098	3,906	55	134	41	230	629,016	1,346,206	U/A	[illegible]
[illegible]	13,477	7,834	140	376	69	585	3,782,763	2,498,314	U/A	[illegible]
[illegible]	36,128	12,862	85	147	86	298	1,147,241	1,763,036	653,468	73,[illegible]
[illegible]	19,822	9,035	155	482	118	735	2,139,930	2,474,652	U/A	[illegible]
93	8,711	6,650	51	99	38	188	1,170,363	1,268,950	U/A	U/A
94	9,313	10,020	49	109	68	226	1,428,497	670,580	U/A	U/A
95	13,900	7,376	65	116	56	237	1,067,874	1,463,076	128,548	163,720
96	21,226	8,173	92	196	56	344	1,838,802	1,813,362	702,599	134,982
[illegible]	18,297	3,674	58	105	32	193	1,336,387	1,164,939	U/A	125,[illegible]
[illegible]	182,189	5,276	189	224	121	464	906,852	2,457,310	164,006	[illegible]
[illegible]	15,282	3,782	66	109	56	230	612,617	1,557,054	27,977	[illegible]
[illegible]	19,282	8,253	67	125	39	231	648,188	1,565,084	78,490	113,[illegible]

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
3,341,106	122,062	2,645,188	2,356,956	637,259	5,639,403	1,377,037	10,479,608	SOUTHERN CALIFORNIA
2,219,481	179,700	1,860,238	1,248,281	638,993	3,747,512	638,963	6,785,656	SOUTHERN ILLINOIS
5,943,654	325,217	5,796,480	7,458,467	1,064,113	14,319,060	3,020,925	23,608,856	STANFORD
1,971,360	71,000	1,522,081	1,131,426	119,249	2,772,756	574,145	5,389,261	SUNY-ALBANY
2,936,469	159,962	2,353,002	1,752,259	469,501	4,574,762	1,081,358	8,752,551	SUNY-BUFFALO
2,547,369	121,768	1,581,866	1,756,229	301,002	3,639,097	469,693	6,777,927	SUNY-STONY BROOK
2,773,360	106,144	1,663,202	1,687,212	229,584	3,579,998	1,330,483	7,789,985	SYRACUSE
2,676,038	119,121	1,721,771	1,515,701	277,484	3,514,956	472,632	6,782,747	TEMPLE
1,976,022	115,106	1,377,830	1,545,249	290,197	3,213,276	481,267	5,785,671	TENNESSEE
6,281,077	176,719	3,557,611	4,493,576	1,058,183	9,109,370	1,748,566	17,316,732	TEXAS
3,636,849	127,021	1,554,490	1,551,202	619,970	3,725,662	1,361,951	8,851,483	TEXAS A&M
4,614,582	187,329	4,232,727	6,817,230	1,173,855	12,223,812	1,027,621	18,053,344	TORONTO
2,512,837	117,311	U/A	U/A	U/A	2,595,320	583,068	5,808,536	TULANE
2,099,077	109,090	1,092,334	1,394,504	606,415	3,093,253	509,183	5,810,603	UTAH
2,823,218	134,496	1,612,435	1,556,337	330,225	3,498,997	1,140,328	7,597,039	VANDERBILT
4,489,745	247,315	2,442,086	2,796,000	585,601	5,823,687	1,312,473	11,873,220	VIRGINIA
2,627,290	144,400	1,193,523	1,428,715	306,126	2,928,364	853,301	6,553,355	VPI & SU
3,528,168	288,159	3,413,712	3,306,161	857,885	7,577,758	1,261,656	12,655,741	WASHINGTON
2,197,648	152,111	1,092,238	1,755,333	423,331	3,270,902	915,086	6,535,747	WASHINGTON STATE
2,404,897	116,267	1,563,597	1,582,075	232,868	3,378,540	2,203,922	8,103,626	WASHINGTON U-ST. LOUIS

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

COLLECTIONS

INSTITUTION		Libr No.	Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Mono-graphs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
			1	2	3	4	5	6	7	8
WATERLOO	B+	101	1,468,524	68,120	68,120	30,753	9,502	6,779	16,281	596,491
WAYNE STATE	bBLM+	102	2,129,392	54,781	53,400	33,210	16,198	7,138	23,336	1,730,818
WESTERN ONTARIO	M+	103	1,868,915	61,973	52,178	39,642	U/A	U/A	18,972	1,677,205
WISCONSIN	LM+	104	4,607,542	121,882	112,862	U/A	U/A	U/A	48,907	1,156,515
YALE	MbGL+	105	8,236,679	174,739	44,535	101,630	36,650	20,701	57,351	2,395,015
YORK	GBL+	106	1,483,382	53,654	51,850	U/A	U/A	U/A	11,933	601,329
BOSTON PUBLIC LIBRARY	G	107	5,568,008	187,776	187,544	105,727	U/A	U/A	15,738	2,982,567
CANADA INST. FOR SCITECH.	B+	108	1,983,464	72,723	72,723	33,019	27,550	2,450	30,000	2,075,000
CENTER FOR RESEARCH LIB.	G+	109	2,830,472	35,514	35,514	20,626	14,888	0	14,888	1,053,474
LIBRARY OF CONGRESS	+	110	20,677,803	302,077	287,889	U/A	37,500	137,500	175,000	6,653,286
LINDA HALL LIBRARY	G+	111	584,950	17,000	17,000	8,000	11,000	2,100	13,100	40,000
NATL. AGRICULTURAL LIB.	+	112	1,860,103	14,176	11,038	10,158	11,000	20,000	31,000	739,904
NATL. LIBRARY OF CANADA	G+	113	1,080,916	50,494	49,888	7,907	6,056	14,710	20,766	2,361,000
NATL. LIBRARY OF MEDICINE	M+	114	1,782,238	39,425	37,023	11,729	23,039	4,371	27,410	233,885
NEWBERRY LIBRARY	G+	115	1,402,554	10,870	10,860	6,524	U/A	U/A	6,200	242,602
NEW YORK PUBLIC LIBRARY	+	116	6,203,240	453,574	440,328	U/A	U/A	U/A	140,000	2,273,011
NEW YORK STATE LIBRARY	LM+	117	1,978,860	35,613	35,563	16,072	10,400	7,370	17,770	3,422,121
SMITHSONIAN INSTITUTION	bB+	118	1,000,621	21,321	20,621	10,000	2,945	12,996	15,941	U/A

B - Includes Branch Campuses
G - Government Documents Not Included in Serials Count
L - Includes Law Library
M - Includes Medical Library
N/A - Not Applicable
+ - See Footnotes
b - Bibliographic Count
U/A - Unavailable

ARL LIBRARY DATA TABLE

	INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Libr No	Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
	9	10	11	12	13	14	15	16	17	18
101	6,317	4,969	44	148	28	220	881,040	1,068,271	66,897	U/A
102	19,880	1,782	57	112	62	231	1,304,427	1,086,662	653,814	U/A
103	9,050	2,885	55	207	48	310	917,978	1,605,879	U/A	U/A
104	89,214	18,758	131	226	154	511	1,630,275	2,251,247	54,753	421,968
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	N/A	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
109	23,648	0	22	32	13	67	23,672	248,379	607,922	0
110	67,417	520	2,659	2,165	N/A	4,824	2,120,467	2,500,205	1,520,056	200,874
111	69,649	109	22	41	N/A	63	175,394	891,189	U/A	79,829
112	12,859	28,586	101	85	11	197	355,756	0	0	795,044
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
117	33,745	1,225	77	115	N/A	192	434,075	1,367,780	67,831	0
118	9,600	21,600	48	71	0	119	472,400	395,400	86,100	475,000

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.	INSTITUTION
19	20	21	22	23	24	25	26	
2,016,208	62,279	1,212,634	1,885,207	194,912	3,292,753	607,589	5,978,829	WATERLOO
3,044,903	100,105	1,461,662	2,106,444	366,688	3,934,794	1,602,228	8,682,030	WAYNE STATE
2,523,857	133,514	1,337,008	2,399,259	454,120	4,190,387	283,118	7,130,876	WESTERN ONTARIO
4,358,243	250,358	3,570,354	3,994,632	1,227,043	8,792,029	2,384,046	15,784,676	WISCONSIN
[illegible]	[illegible]	[illegible]	[illegible]	709,900	10,929,098	3,262,400	19,850,398	YALE
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	3,794,914	846,721	6,774,073	YORK
[illegible]	[illegible]	[illegible]	U/A	U/A	1,840,377	2,671,280	8,454,137	BOSTON PUBLIC LIBRARY
[illegible]	[illegible]	[illegible]	[illegible]	0	4,885,256	4,867,640	15,715,642	CANADA INST. FOR SCITECH.
879,973	0	U/A	U/A	U/A	1,196,342	620,857	2,697,172	CENTER FOR RESEARCH LIB.
6,341,602	926,669	U/A	U/A	N/A	146,095,996	88,091,853	247,797,724	LIBRARY OF CONGRESS
1,146,412	54,876	U/A	U/A	U/A	1,071,647	187,928	2,460,863	LINDA HALL LIBRARY
1,150,800	30,000	3,136,905	2,510,996	150,000	5,797,901	5,074,376	12,053,077	NATL. AGRICULTURAL LIB.
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	12,159,130	9,039,764	22,742,038	NATL. LIBRARY OF CANADA
[illegible]	[illegible]	[illegible]	[illegible]	N/A	[illegible]	14,512,501	27,795,198	NATL. LIBRARY OF MEDICINE
[illegible]	[illegible]	[illegible]	[illegible]	N/A	[illegible]	407,295	2,829,337	NEWBERRY LIBRARY
[illegible]	[illegible]	N/A	N/A	N/A	12,888,383	14,445,991	32,052,857	NEW YORK PUBLIC LIBRARY
1,869,686	81,203	2,035,006	1,517,985	N/A	3,552,991	1,554,747	7,058,627	NEW YORK STATE LIBRARY
1,428,900	100,000	1,586,833	1,132,503	0	2,719,336	259,300	4,507,536	SMITHSONIAN INSTITUTION

N/A - Not Applicable U/A - Unavailable

ARL LIBRARY DATA TABLE

TOTALS

COLLECTIONS

Volumes In Library	Volumes Added (Gross)	Volumes Added (Net)	Monographs Purchased	Current Serials Purchased	Current Serials Not Purchased	Current Serials Total	Total Microform Units In Library
1	2	3	4	5	6	7	8
UNIVERSITY MEDIAN							
2,022,462	65,616	58,548	33,210	16,162	3,320	20,537	1,971,093
UNIVERSITY HIGH							
11,136,662	296,309	234,860	129,755	58,504	32,765	102,000	4,558,183
UNIVERSITY LOW							
1,071,104	29,359	22,397	8,257	6,875	0	7,375	142,954
TOTALS - UNIVERSITY LIBRARIES							
274,746,085	8,593,571	7,446,111	3,006,538	1,239,150	355,691	2,918,220	211,521,221
TOTALS - NON-UNIVERSITY LIBRARIES							
46,953,229	1,240,563	1,205,991	229,762	144,378	201,497	507,813	22,076,850
GRAND TOTALS - ALL ARL LIBRARIES							
321,699,314	9,834,134	8,652,102	3,236,300	1,383,528	557,188	3,426,033	233,598,071

ARL LIBRARY DATA TABLE

TOTALS

INTERLIBRARY LOANS		PERSONNEL (FTE)				EXPENDITURES			
Total Loaned	Total Borrowed	Prof. Staff	Non. Prof. Staff	Student Assts.	Total Staff	Monographs	Current Serials	Other Library Materials	Misc. Materials Expend.
9	10	11	12	13	14	15	16	17	18
				UNIVERSITY MEDIAN					
16,151	7,048	67	137	61	263	1,120,645	1,496,774	95,720	47,467
				UNIVERSITY HIGH					
173,493	144,760	318	575	285	1,044	4,981,874	3,444,002	832,056	1,015,800
				UNIVERSITY LOW					
2,772	914	32	44	6	111	295,658	618,555	674	0
				TOTALS - UNIVERSITY LIBRARIES					
2,359,021	943,835	8,438	17,129	7,529	33,096	133,270,989	165,322,209	14,414,109	7,981,473
				TOTALS - NON-UNIVERSITY LIBRARIES					
765,298	55,532	3,892	3,765	142	7,799	10,910,209	15,192,362	4,229,990	1,637,584
				GRAND TOTALS - ALL ARL LIBRARIES					
3,124,319	999,367	12,330	20,894	7,671	40,895	144,181,198	180,514,571	18,644,099	9,619,057

ARL LIBRARY DATA TABLE

TOTALS

EXPENDITURES

Total Library Materials	Contract Binding	Salaries & Wages Prof.	Salaries & Wages Non-Prof.	Salaries & Wages Student Assistants	Total Salaries & Wages	Other Operating Expend.	Total Library Expend.
19	20	21	22	23	24	25	26
UNIVERSITY MEDIAN							
2,707,218	144,778	1,820,807	1,886,097	451,125	4,108,615	1,134,007	8,390,864
UNIVERSITY HIGH							
7,973,926	845,584	8,481,442	8,041,047	2,048,136	17,633,487	4,788,344	30,988,429
UNIVERSITY LOW							
1,274,739	47,905	930,858	634,237	59,789	1,934,269	57,885	4,214,993
TOTALS - UNIVERSITY LIBRARIES							
330,545,622	19,095,453	214,925,287	230,522,174	53,403,270	543,280,069	134,700,232	1,027,621,436
TOTALS - NON-UNIVERSITY LIBRARIES							
31,970,144	1,821,457	14,597,195	14,154,327	342,100	204,297,471	141,733,532	386,164,208
GRAND TOTALS - ALL ARL LIBRARIES							
362,515,766	20,916,910	229,522,482	244,676,501	53,745,370	747,577,540	276,433,764	1,413,785,644

ANALYSIS OF SELECTED VARIABLES OF UNIVERSITY LIBRARIES

The percentages and ratios below are intended to summarize the basic data in the ARL Library Data Tables. The high, median, and low figures indicate the range as well as the midpoint for ARL's 106 university library members.

Category	High	Median	Low
1. Professional Staff as percent of Total Staff	44	25	16
2. Nonprofessional Staff as percent of Total Staff	72	51	15
3. Student Assistant Staff as percent of Total Staff	56	23	2
4. Ratio of Professional Staff to Non-professional Staff (excluding student assistants)	2.0:1	0.5:1	0.3:1
5. Ratio of Items Loaned to Items Borrowed	19.4:1	2.2:1	0.6:1
6. Serials Expenditures as percent of Materials Expenditures	72	52	32
7. Materials Expenditures as percent of Total Operating Expenditures	50	34	22
8. Contract Binding as percent of Total Operating Expenditures	3.1	1.8	0.8
9. Salary and Wage Expenditures as percent of Total Operating Expenditures	68	52	40
10. Other Operating Expenditures as percent of Total Operating Expenditures	27	12	1
11. Unit cost of monographs (per volume)	59.37	29.50	12.19
12. Unit cost of serials (per title)	140.08	87.47	42.48

Median figures are useful indicators when there is wide dispersion within a distribution. Because the mean represents a "balance point," a few very high or low scores may sometimes pull the mean away from the actual point at which values cluster. Medians, on the other hand, are a measure of central tendency, focusing on the midpoint in a distribution, and are thus preferable for describing ARL libraries.

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
ALABAMA	117	94	954	12,796	1,097	1,069	599
ALBERTA	155	55	1,741	23,839	1,227	2,753	322
ARIZONA	260	92	1,363	23,136	2,783	3,492	1,776
ARIZONA STATE	131	34	1,243	25,722	5,774	2,201	1,257
BOSTON	156	44	956	19,431	2,531	5,649	1,189
BRIGHAM YOUNG	68	36	1,286	22,156	3,668	1,402	352
BRITISH COLUMBIA	144	82	1,927	21,070	1,866	2,860	335
BROWN	122	31	485	7,008	134	1,193	31
CALIF.,BERKELEY	752	92	4,179	31,482	U/A	9,161	U/A
CALIF.,DAVIS	231	53	920	19,835	1,904	5,234	212
CALIF.,IRVINE	84	30	926	13,567	0	2,585	0
CALIF.,LOS ANGELES	425	68	1,551	31,786	1,198	7,713	51
CALIF.,RIVERSIDE	98	26	299	4,740	229	1,262	29
CALIF.,SAN DIEGO	163	41	562	14,132	312	1,713	31
CALIF.,SANTA BARBARA	153	57	986	16,636	386	2,028	38
CASE WESTERN RESERVE	160	43	518	5,967	654	1,506	467
CHICAGO	331	80	1,156	7,870	906	4,014	817
CINCINNATI +	192	88	979	18,674	338	2,348	429
COLORADO	242	48	896	18,777	1,104	1,666	211
COLORADO STATE	157	35	926	16,005	431	1,681	95
COLUMBIA	384	54	1,760	14,097	1,255	8,868	884
CONNECTICUT	181	66	1,471	16,319	6,744	2,381	3,926
CORNELL	438	89	N/A	17,904	U/A	5,282	U/A
DARTMOUTH	25	11	796	4,311	57	669	18
DELAWARE	101	41	827	14,066	1,565	1,031	277
DUKE	146	33	1,705	10,475	207	3,488	102
EMORY +	64	43	522	7,189	293	1,005	184
FLORIDA +	292	62	2,519	23,993	1,463	5,322	756
FLORIDA STATE	224	69	948	16,684	4,853	2,062	1,543
GEORGETOWN	79	16	505	9,476	1,227	950	640
GEORGIA	201	52	1,671	21,548	3,860	2,836	1,684
GEORGIA TECH	65	61	U/A	9,980	227	1,693	176
GUELPH	47	80	703	10,479	854	938	54
HARVARD +	325	49	1,185	16,895	3,212	6,929	140
HAWAII	129	38	996	14,046	2,164	1,826	588
HOUSTON	143	44	997	14,557	10,140	1,838	2,240
HOWARD	57	24	959	9,241	646	955	294
ILLINOIS	531	94	1,944	32,859	1,551	5,733	1,074
INDIANA	256	99	1,407	27,585	1,834	3,570	624
IOWA	245	53	1,031	23,150	2,779	3,042	1,252
IOWA STATE	256	66	1,312	23,263	1,672	2,098	899
JOHNS HOPKINS	193	59	1,750	7,074	2,200	3,421	1,242
KANSAS +	212	62	1,094	20,887	2,282	2,246	1,205
KENT STATE	114	18	678	14,543	1,883	1,190	592
KENTUCKY	89	47	1,507	15,755	1,504	1,681	515
LAVAL	121	58	1,340	22,659	4,715	4,717	638

* These figures were reported on ARL questionaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
LOUISIANA STATE	139	50	1,229	24,208	1,972	2,642	535
MCGILL	159	50	1,467	16,999	3,560	3,495	419
MCMASTER	101	26	1,001	11,274	1,504	1,125	596
MANITOBA	65	36	1,284	15,191	3,998	2,104	515
MARYLAND +	371	67	1,323	28,838	3,721	3,106	1,300
MASSACHUSETTS +	204	48	1,276	22,095	2,003	2,613	871
MIT	409	85	1,093	9,243	544	4,754	166
MIAMI	396	45	1,438	10,867	1,115	1,837	449
MICHIGAN	598	133	1,685	30,458	1,714	6,557	975
MICHIGAN STATE	416	156	1,877	34,504	3,547	3,429	1,767
MINNESOTA	515	90	1,830	35,326	10,338	8,343	418
MISSOURI	202	60	858	19,305	1,333	1,824	621
NEBRASKA	181	27	1,017	18,590	2,314	1,670	766
NEW MEXICO	144	33	1,149	14,208	3,766	1,651	848
NEW YORK +	350	144	1,184	18,192	5,086	7,243	3,542
NORTH CAROLINA	283	59	1,835	18,567	1,676	2,761	755
NORTH CAROLINA STATE	196	42	1,096	16,863	3,195	1,188	1,133
NORTHWESTERN	301	79	1,454	12,799	3,158	5,440	1,626
NOTRE DAME	92	23	952	9,288	108	1,824	83
OHIO STATE	512	121	1,856	43,555	3,525	6,003	952
OKLAHOMA	151	45	1,608	17,128	5,660	2,237	2,487
OKLAHOMA STATE	155	37	895	17,434	1,331	1,513	789
OREGON	191	42	634	14,030	860	2,037	146
PENNSYLVANIA	367	117	3,549	17,501	1,456	5,803	671
PENNSYLVANIA STATE	331	87	2,423	48,471	4,909	3,800	858
PITTSBURGH	378	55	2,182	17,805	4,353	3,255	1,919
PRINCETON	216	48	775	6,211	0	1,677	0
PURDUE	380	50	1,408	28,126	1,226	3,510	524
QUEEN'S	74	28	928	9,784	1,060	1,552	221
RICE +	127	27	405	4,046	0	1,236	0
ROCHESTER	163	50	1,206	6,826	645	1,832	246
RUTGERS	230	47	1,905	31,902	15,741	2,862	6,058
SASKATCHEWAN +	33	U/A	1,115	13,172	1,338	943	335
SOUTH CAROLINA +	138	44	1,051	15,089	7,385	3,298	4,876
SOUTHERN CALIFORNIA +	650	110	1,183	14,193	538	5,072	3,556
SOUTHERN ILLINOIS	155	22	953	18,014	2,155	789	1,295
STANFORD	760	77	808	11,696	687	4,277	445
SUNY-ALBANY	99	21	628	11,763	1,584	1,739	1,106
SUNY-BUFFALO +	228	63	1,064	18,606	3,041	3,101	1,613
SUNY-STONY BROOK	150	23	993	12,799	U/A	2,652	U/A
SYRACUSE +	139	83	917	14,824	2,052	2,779	1,412
TEMPLE	148	54	1,173	19,178	3,700	1,632	1,149
TENNESSEE	176	46	1,126	18,948	2,895	2,077	1,115
TEXAS +	474	66	1,942	41,169	3,288	8,084	717
TEXAS A&M	474	72	1,517	33,229	1,836	3,517	551
TORONTO	322	68	2,718	34,271	5,261	5,387	1,162

* These figures were reported on ARL questionaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

Ph.D., FACULTY, AND ENROLLMENT STATISTICS*

INSTITUTION	Ph.D.'s Awarded	Ph.D. Fields	Faculty	ENROLLMENTS - FALL 1986			
				Total Full-time**	Total FTE Part-time**	Graduate Full-time	Graduate FTE Part-time
TULANE	58	35	397	8,151	652	1,152	151
UTAH	188	60	825	15,154	4,604	2,305	702
VANDERBILT	137	37	626	8,163	275	1,868	197
VIRGINIA	189	45	941	15,984	467	3,244	239
VPI & SU +	274	54	2,077	20,735	1,121	2,729	845
WASHINGTON	345	62	1,607	27,033	3,040	5,249	715
WASHINGTON STATE	143	40	768	14,966	1,173	1,521	193
WASHINGTON U-ST. LOUIS	104	30	543	7,080	976	1,306	356
WATERLOO	102	48	807	12,776	2,276	3,220	298
WAYNE STATE	150	54	848	14,297	5,487	1,827	4,420
WESTERN ONTARIO	83	31	1,387	15,172	3,180	2,241	194
WISCONSIN +	673	110	2,176	37,707	2,799	7,292	908
YALE +	259	51	778	10,415	197	3,934	86
YORK +	66	55	1,124	19,861	2,126	1,600	393

* These figures were reported on ARL questionaires and have not been verified with the National Center for Education Statistics.

** Includes both undergraduate and graduate students.

U/A - Unavailable

\+ - See footnotes

SUMMARY OF RANK ORDER TABLES FOR UNIVERSITY LIBRARIES

The table below presents the rank for each university library in each of the seventeen categories for which rank order tables are prepared. As a further indication of the relative position of each institution, note that, in the individual rank order tables on the following pages, "group codes" are used. This is done because, in a number of cases, there is a relatively insignificant difference between two institutions which are nevertheless given two different rankings. The "coarser" ranking provided by clustering institutions into groups (based upon ranges) more realistically describes a library's relative standing.

The table numbers in the chart below refer to the following categories:

Table 1 - Volumes in Library (106)
Table 2 - Volumes Added (Gross) (106)
Table 3 - Current Serials (Total) (106)
Table 4 - Microform Holdings (Total) (106)
Table 5 - Materials Expenditures (106)
Table 6 - Salaries & Wages Expenditures (106)
Table 7 - Other Operating Expenditures (106)
Table 8 - Total Expenditures (106)
Table 9 - Monographs Purchased (Volumes) (77)
Table 10 - Expenditures For Monographs (101)
Table 11 - Serials Purchased (Titles) (65)
Table 12 - Expenditures for Serials (104)
Table 13 - Total Items Loaned (106)
Table 14 - Total Items Borrowed (106)
Table 15 - Professional Staff (FTE) (106)
Table 16 - Nonprofessional Staff (FTE) (106)
Table 17 - Total Staff (FTE) (106)

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
ALABAMA	73	95	82	84	83	104	88	101	59	76	39	68	98	91	80	104	99
ALBERTA	32	29	45	47	63	20	48	30	12	85	20	25	66	13	36	12	21
ARIZONA	23	22	25	12	15	35	43	27	6	26	8	12	13	53	26	32	26
ARIZONA STATE	48	16	22	39	17	43	37	33	11	14	U/A	15	35	44	45	27	34
BOSTON	74	71	33	37	69	58	19	54	58	75	26	43	46	2	60	48	42
BRIGHAM YOUNG	62	55	73	79	48	59	63	61	29	17	58	97	90	27	31	106	43
BRITISH COLUMBIA	33	25	41	96	40	18	76	28	8	31	22	33	51	33	21	14	18
BROWN	54	82	84	93	90	72	20	64	26	52	50	95	88	81	46	84	72
CALIF.,BERKELEY	4	2	2	10	5	2	6	3	U/A	8	U/A	3	10	6	3	10	2
CALIF.,DAVIS	51	28	12	33	19	25	45	23	15	33	2	10	17	54	49	28	39
CALIF.,IRVINE	102	63	80	85	42	47	42	44	31	41	40	51	70	42	91	91	82
CALIF.,LOS ANGELES	8	1	4	5	2	3	1	2	U/A	3	U/A	2	5	21	2	7	4
CALIF.,RIVERSIDE	101	91	93	88	86	84	70	82	24	42	59	99	97	36	106	97	103
CALIF.,SAN DIEGO	64	36	62	89	30	29	23	26	9	18	U/A	73	57	60	55	38	41
CALIF.,SANTA BARBARA	65	85	50	59	43	33	57	38	U/A	U/A	U/A	70	100	25	69	52	63

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
CASE WESTERN RESERVE	91	106	94	101	101	91	28	83	76	100	51	79	12	51	55	97	95
CHICAGO	12	23	14	74	33	26	8	20	U/A	U/A	U/A	29	7	68	43	24	29
CINCINNATI	89	62	61	49	53	44	41	47	U/A	46	U/A	50	28	34	40	60	46
COLORADO	49	81	91	91	80	64	90	78	64	92	49	58	58	35	89	86	87
COLORADO STATE	106	104	100	106	104	102	103	106	73	98	64	103	78	23	94	100	105
COLUMBIA	7	13	7	9	10	7	11	7	25	7	9	21	23	50	8	9	6
CONNECTICUT	55	47	58	43	59	49	77	59	U/A	U/A	U/A	66	31	17	62	86	74
CORNELL	11	11	8	3	9	12	7	10	1	1	1	U/A	21	19	5	6	11
DARTMOUTH	79	101	56	56	89	98	64	95	U/A	79	31	85	73	61	97	82	94
DELAWARE	67	75	53	77	47	95	69	75	U/A	19	U/A	77	86	99	82	94	96
DUKE	19	30	21	81	29	34	18	29	16	30	U/A	22	25	89	26	34	38
EMORY	57	51	69	69	51	62	24	55	U/A	53	U/A	61	32	72	66	62	69
FLORIDA	34	39	31	34	27	39	59	37	18	36	13	36	22	66	26	44	22
FLORIDA STATE	78	89	72	31	58	92	101	87	U/A	48	U/A	60	36	73	73	91	69
GEORGETOWN	83	56	54	70	49	46	25	43	22	47	U/A	83	101	93	46	71	48
GEORGIA	36	27	11	11	21	54	47	40	U/A	55	3	4	19	79	40	34	30
GEORGIA TECH	94	84	34	25	105	103	78	105	77	101	24	101	52	103	84	105	106
GUELPH	75	45	105	92	102	101	106	104	63	97	U/A	100	106	86	105	77	101
HARVARD	1	3	1	2	1	1	2	1	U/A	2	U/A	1	11	31	1	1	1
HAWAII	50	40	23	36	67	53	29	53	50	51	11	71	82	104	64	90	75
HOUSTON	92	79	46	20	73	74	68	74	34	65	17	69	80	39	89	84	76
HOWARD	88	43	37	40	35	32	26	32	32	44	14	18	105	106	35	50	52
ILLINOIS	3	5	3	19	8	14	13	12	5	9	U/A	11	2	1	12	11	10
INDIANA	18	15	24	83	24	22	54	24	U/A	11	U/A	35	18	30	18	19	13
IOWA	28	24	19	21	23	52	100	51	U/A	32	5	19	8	41	39	88	56

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
IOWA STATE	71	58	60	55	74	87	98	84	48	70	46	57	44	69	88	71	82
JOHNS HOPKINS	30	44	57	73	55	40	9	35	35	58	35	52	62	7	31	28	27
KANSAS	31	33	30	58	39	48	31	41	17	24	18	34	9	5	37	57	45
KENT STATE	80	99	106	98	106	81	58	97	62	96	65	104	69	61	102	95	92
KENTUCKY	56	94	86	64	64	66	55	65	60	73	U/A	53	48	24	60	58	55
LAVAL	87	73	92	100	88	36	83	58	71	93	57	93	71	15	46	26	51
LOUISIANA STATE	43	54	44	87	36	69	65	57	47	43	25	24	75	83	51	64	49
MCGILL	40	65	68	97	57	30	74	42	28	72	43	78	16	26	42	20	36
MCMASTER	103	88	103	105	72	83	99	85	33	45	61	80	89	56	101	52	89
MANITOBA	98	93	98	94	99	57	89	81	61	74	55	87	72	63	69	41	66
MARYLAND	63	32	52	28	38	38	39	36	23	40	28	38	74	98	38	43	37
MASSACHUSETTS	46	50	90	78	87	56	82	71	37	78	54	89	68	46	73	71	80
MIT	53	37	51	71	79	42	30	49	69	89	60	64	54	96	33	40	47
MIAMI	84	78	48	95	78	75	61	68	57	61	U/A	75	55	14	57	63	60
MICHIGAN	5	10	6	15	6	8	16	8	U/A	U/A	6	5	20	9	9	8	9
MICHIGAN STATE	24	38	38	44	45	37	32	39	14	29	34	54	95	78	43	56	35
MINNESOTA	15	17	16	24	13	13	21	13	U/A	13	10	13	1	11	23	30	19
MISSOURI	41	46	75	6	18	73	79	52	13	6	45	65	26	47	68	59	58
NEBRASKA	61	60	39	51	65	93	96	88	55	71	U/A	41	77	80	78	76	85
NEW MEXICO	82	77	74	35	54	50	75	62	43	87	U/A	62	60	43	51	48	54
NEW YORK	25	41	29	48	32	19	17	17	27	39	12	37	79	55	20	31	27
NORTH CAROLINA	21	14	17	29	14	24	33	19	3	10	15	23	33	90	15	22	20
NORTH CAROLINA STATE	105	90	85	26	60	80	51	66	51	83	52	59	24	87	96	65	80
NORTHWESTERN	22	26	36	63	34	27	52	31	20	25	U/A	32	61	28	21	44	32
NOTRE DAME	66	59	79	90	85	100	73	96	49	66	33	91	91	70	99	80	96

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
OHIO STATE	16	18	27	27	25	16	15	16	7	22	16	14	15	16	19	23	14
OKLAHOMA	38	64	71	13	81	96	72	92	41	82	30	72	27	4	84	99	93
OKLAHOMA STATE	97	105	102	99	103	106	50	102	72	99	63	96	83	84	97	103	100
OREGON	68	92	66	72	66	97	94	89	21	68	41	82	76	71	82	96	88
PENNSYLVANIA	20	21	28	53	41	23	10	21	U/A	27	U/A	49	65	8	17	33	25
PENNSYLVANIA STATE	27	31	32	22	26	17	3	14	U/A	21	U/A	20	42	18	16	13	17
PITTSBURGH	29	35	35	50	62	41	46	45	U/A	60	U/A	42	30	52	33	37	33
PRINCETON	17	20	20	52	20	21	49	22	10	15	U/A	27	96	65	25	16	23
PURDUE	69	80	67	67	77	68	84	76	75	86	27	40	67	76	94	36	53
QUEEN'S	76	103	83	76	92	86	104	98	65	77	38	94	103	59	99	41	79
RICE	99	97	101	65	100	105	80	103	U/A	U/A	U/A	U/A	53	101	102	102	104
ROCHESTER	35	86	97	45	76	77	71	77	74	81	56	47	38	57	62	80	62
RUTGERS	42	34	65	38	22	11	36	15	19	28	U/A	48	50	22	24	15	15
SASKATCHEWAN	100	87	104	66	96	90	102	100	38	80	U/A	81	92	12	104	70	98
SOUTH CAROLINA	44	53	64	41	93	85	97	93	53	84	37	63	63	64	67	71	86
SOUTHERN CALIFORNIA	37	49	26	57	37	31	34	34	36	56	42	26	104	102	14	39	24
SOUTHERN ILLINOIS	58	67	49	23	82	61	81	69	52	88	19	56	6	75	69	91	58
STANFORD	9	8	15	18	4	4	5	4	U/A	5	U/A	6	39	49	7	5	8
SUNY-ALBANY	104	102	95	104	98	94	87	99	66	95	48	88	47	29	65	100	102
SUNY-BUFFALO	39	52	40	16	46	45	56	48	U/A	59	23	45	29	45	30	65	49
SUNY-STONY BROOK	90	83	96	30	68	65	95	72	U/A	57	U/A	76	45	67	79	65	78
SYRACUSE	45	72	43	14	52	67	38	60	44	63	U/A	30	102	85	51	51	60
TEMPLE	59	68	81	82	56	70	93	70	54	37	44	86	81	82	50	65	56
TENNESSEE	85	98	88	61	97	82	92	94	67	91	53	67	34	92	76	55	69
TEXAS	6	6	5	7	3	9	22	[illegible]	U/A	4	U/A	7	64	40	10	3	7

U/A - Unavailable ( ) Number of institutions reporting data

INSTITUTION	TABLES																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TEXAS A&M	72	66	76	17	28	63	35	46	56	50	36	31	14	10	57	47	43
TORONTO	10	4	18	54	11	5	60	6	U/A	12	7	8	41	32	6	2	3
TULANE	77	69	87	68	71	99	86	91	45	49	U/A	74	87	58	80	88	91
UTAH	81	70	89	46	91	88	91	90	U/A	34	U/A	102	84	20	84	77	73
VANDERBILT	70	42	70	80	50	71	53	63	U/A	54	U/A	55	59	48	57	65	65
VIRGINIA	26	19	47	8	12	28	40	25	4	16	21	28	37	38	29	25	31
VPI & SU	86	57	59	4	61	89	66	79	42	35	29	84	49	95	73	82	89
WASHINGTON	14	9	10	1	31	15	44	18	40	64	U/A	9	3	74	13	18	16
WASHINGTON STATE	96	100	55	42	84	79	62	80	68	94	47	46	56	97	92	77	84
WASHINGTON U-ST. LOUIS	52	96	77	75	75	76	14	56	70	90	U/A	44	43	37	51	60	67
WATERLOO	95	48	78	103	94	78	85	86	46	69	62	92	99	77	92	44	77
WAYNE STATE	47	74	42	60	44	55	27	50	39	38	32	90	40	105	69	71	67
WESTERN ONTARIO	60	61	63	62	70	51	105	67	30	62	U/A	39	85	100	76	21	40
WISCONSIN	13	12	13	86	16	10	12	11	U/A	20	U/A	16	4	3	11	17	12
YALE	2	7	9	32	7	6	4	5	2	23	4	17	94	88	4	4	5
YORK	93	76	99	102	95	60	67	73	U/A	67	U/A	98	93	94	84	54	64

U/A - Unavailable ( ) Number of institutions reporting data

RANK ORDER TABLES OF UNIVERSITY LIBRARIES

RANK ORDER TABLE 1: VOLUMES IN LIBRARY

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 9,000 and over
2- 8,000-8,999
3- 7,000-7,999
4- 6,000-6,999
5- 5,000-5,999
6- 4,000-4,999
7- 3,000-3,999
8- 2,000-2,999
9- 1,000-1,999

Gp	Rank	Institution	Value
1	1	HARVARD	11,136,662
2	2	YALE	8,236,679
3	3	ILLINOIS	7,000,170
4	4	CALIF.,BERKELEY	6,845,732
5	5	MICHIGAN	5,920,576
	6	TEXAS	5,579,326
	7	COLUMBIA	5,551,739
	8	CALIF.,LOS ANGELES	5,486,955
	9	STANFORD	5,447,869
	10	TORONTO	5,373,654
6	11	CORNELL	4,870,570
	12	CHICAGO	4,756,076
	13	WISCONSIN	4,607,542
	14	WASHINGTON	4,549,114
	15	MINNESOTA	4,286,431
	16	OHIO STATE	4,077,575
7	17	PRINCETON	3,856,638
	18	INDIANA	3,786,962
	19	DUKE	3,510,645
	20	PENNSYLVANIA	3,376,901
	21	NORTH CAROLINA	3,301,751
	22	NORTHWESTERN	3,206,698
	23	ARIZONA	3,139,481
	24	MICHIGAN STATE	3,129,802
8	25	NEW YORK	2,932,055
	26	VIRGINIA	2,812,167
	27	PENNSYLVANIA STATE	2,808,553
	28	IOWA	2,754,851
	29	PITTSBURGH	2,661,196
	30	JOHNS HOPKINS	2,621,732
	31	KANSAS	2,571,998
	32	ALBERTA	2,555,756
	33	BRITISH COLUMBIA	2,555,667
	34	FLORIDA	2,539,417
	35	ROCHESTER	2,512,828
	36	GEORGIA	2,510,730
	37	SOUTHERN CALIFORNIA	2,497,483
	38	OKLAHOMA	2,492,364
	39	SUNY-BUFFALO	2,371,181
	40	MCGILL	2,347,242
	41	MISSOURI	2,318,012
	42	RUTGERS	2,300,292
	43	LOUISIANA STATE	2,210,758
	44	SOUTH CAROLINA	2,175,766
	45	SYRACUSE	2,158,536
	46	MASSACHUSETTS	2,129,588
	47	WAYNE STATE	2,129,392
	48	ARIZONA STATE	2,108,370
	49	COLORADO	2,096,954
	50	HAWAII	2,089,176
	51	CALIF.,DAVIS	2,082,128
	52	WASHINGTON U-ST. LOUIS	2,069,700
	53	MIT	2,029,455
	54	BROWN	2,015,469
	55	CONNECTICUT	2,013,043
9	56	KENTUCKY	1,992,499
	57	EMORY	1,951,101
	58	SOUTHERN ILLINOIS	1,899,569
	59	TEMPLE	1,896,630
	60	WESTERN ONTARIO	1,868,915
	61	NEBRASKA	1,833,558
	62	BRIGHAM YOUNG	1,802,197
	63	MARYLAND	1,780,055
	64	CALIF.,SAN DIEGO	1,760,614
	65	CALIF.,SANTA BARBARA	1,745,803
	66	NOTRE DAME	1,745,405
	67	DELAWARE	1,723,465
	68	OREGON	1,706,612
	69	PURDUE	1,695,718
	70	VANDERBILT	1,679,141
	71	IOWA STATE	1,663,235
	72	TEXAS A&M	1,655,652
	73	ALABAMA	1,654,865
	74	BOSTON	1,648,586
	75	GUELPH	1,634,610
	76	QUEEN'S	1,632,468
	77	TULANE	1,630,587
	78	FLORIDA STATE	1,624,138
	79	DARTMOUTH	1,614,015
	80	KENT STATE	1,609,598
	81	UTAH	1,588,466
	82	NEW MEXICO	1,560,054
	83	GEORGETOWN	1,553,057
	84	MIAMI	1,552,907
	85	TENNESSEE	1,552,605
	86	VPI & SU	1,551,733
	87	LAVAL	1,541,660
	88	HOWARD	1,541,337
	89	CINCINNATI	1,527,605
	90	SUNY-STONY BROOK	1,522,497
	91	CASE WESTERN RESERVE	1,493,579
	92	HOUSTON	1,485,706
	93	YORK	1,483,382
	94	GEORGIA TECH	1,468,638
	95	WATERLOO	1,468,524
	96	WASHINGTON STATE	1,456,181
	97	OKLAHOMA STATE	1,420,618
	98	MANITOBA	1,403,940
	99	RICE	1,276,197
	100	SASKATCHEWAN	1,253,984
	101	CALIF.,RIVERSIDE	1,250,372
	102	CALIF.,IRVINE	1,239,130
	103	MCMASTER	1,218,070
	104	SUNY-ALBANY	1,154,576
	105	NORTH CAROLINA STATE	1,153,720
	106	COLORADO STATE	1,071,104

U/A - Unavailable

RANK ORDER TABLE 2: VOLUMES ADDED (GROSS)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 250,000 and over
2- 220,000-249,999
3- 190,000-219,999
4- 160,000-189,999
5- 130,000-159,999
6- 100,000-129,999
7- 70,000- 99,999
8- 40,000- 69,999
9- under 39,999

Gp	Rank	Institution	Value
1	1	CALIF.,LOS ANGELES	296,309
	2	CALIF.,BERKELEY	254,231
3	3	HARVARD	217,757
	4	TORONTO	208,766
	5	ILLINOIS	198,837
4	6	TEXAS	186,961
	7	YALE	174,739
5	8	STANFORD	154,742
	9	WASHINGTON	154,118
	10	MICHIGAN	145,349
6	11	CORNELL	129,755
	12	WISCONSIN	121,882
	13	COLUMBIA	121,669
	14	NORTH CAROLINA	120,512
	15	INDIANA	118,254
	16	ARIZONA STATE	116,615
	17	MINNESOTA	116,479
	18	OHIO STATE	110,862
	19	VIRGINIA	110,519
	20	PRINCETON	107,393
	21	PENNSYLVANIA	106,152
	22	ARIZONA	102,612
	23	CHICAGO	101,139
7	24	IOWA	99,184
	25	BRITISH COLUMBIA	97,837
	26	NORTHWESTERN	97,577
	27	GEORGIA	95,057
	28	CALIF.,DAVIS	92,477
	29	ALBERTA	92,345
	30	DUKE	92,093
	31	PENNSYLVANIA STATE	91,180
	32	MARYLAND	87,563
	33	KANSAS	87,045
	34	RUTGERS	86,082
	35	PITTSBURGH	85,417
	36	CALIF.,SAN DIEGO	85,407
	37	MIT	81,855
	38	MICHIGAN STATE	81,521
	39	FLORIDA	78,902
	40	HAWAII	77,913
	41	NEW YORK	74,656
	42	VANDERBILT	70,991
	43	HOWARD	70,499
	44	JOHNS HOPKINS	70,111
8	45	GUELPH	69,924
	46	MISSOURI	68,908
	47	CONNECTICUT	68,312
	48	WATERLOO	68,120
	49	SOUTHERN CALIFORNIA	68,058
	50	MASSACHUSETTS	67,077
	51	EMORY	66,931
	52	SUNY-BUFFALO	66,169
	53	SOUTH CAROLINA	65,942
	54	LOUISIANA STATE	65,291
	55	BRIGHAM YOUNG	65,266
	56	GEORGETOWN	65,104
	57	VPI & SU	64,744
	58	IOWA STATE	63,139
	59	NOTRE DAME	62,951
	60	NEBRASKA	62,772
	61	WESTERN ONTARIO	61,973
	62	CINCINNATI	61,434
	63	CALIF.,IRVINE	61,017
	64	OKLAHOMA	60,838
	65	MCGILL	60,543
	66	TEXAS A&M	59,997
	67	SOUTHERN ILLINOIS	59,445
	68	TEMPLE	59,284
	69	TULANE	56,836
	70	UTAH	56,818
	71	BOSTON	56,764
	72	SYRACUSE	55,733
	73	LAVAL	55,538
	74	WAYNE STATE	54,781
	75	DELAWARE	54,569
	76	YORK	53,654
	77	NEW MEXICO	53,197
	78	MIAMI	52,707
	79	HOUSTON	52,513
	80	PURDUE	50,815
	81	COLORADO	50,783
	82	BROWN	50,686
	83	SUNY-STONY BROOK	49,996
	84	GEORGIA TECH	49,685
	85	CALIF.,SANTA BARBARA	49,381
	86	ROCHESTER	48,246
	87	SASKATCHEWAN	47,900
	88	MCMASTER	47,509
	89	FLORIDA STATE	47,477
	90	NORTH CAROLINA STATE	47,280
	91	CALIF.,RIVERSIDE	47,239
	92	OREGON	46,737
	93	MANITOBA	45,227
	94	KENTUCKY	44,363
	95	ALABAMA	43,712
	96	WASHINGTON U-ST. LOUIS	43,333
	97	RICE	43,240
	98	TENNESSEE	41,623
9	99	KENT STATE	39,661
	100	WASHINGTON STATE	39,594
	101	DARTMOUTH	37,141
	102	SUNY-ALBANY	36,853
	103	QUEEN'S	35,891
	104	COLORADO STATE	31,814
	105	OKLAHOMA STATE	30,313
	106	CASE WESTERN RESERVE	29,359

U/A - Unavailable

RANK ORDER TABLE 3: CURRENT SERIALS (TOTAL)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 90,000 and over
2- 80,000-89,999
3- 70,000-79,999
4- 60,000-69,999
5- 50,000-59,999
6- 40,000-49,999
7- 30,000-39,999
8- 20,000-29,999
9- 10,000-19,999
10- under 10,000

Gp	Rank	Institution	Value
1	1	HARVARD+	102,000
	2	CALIF.,BERKELEY+	97,971
	3	ILLINOIS	92,913
2	4	CALIF.,LOS ANGELES+	88,545
3	5	TEXAS+	78,189
4	6	MICHIGAN+	66,106
	7	COLUMBIA +	63,430
5	8	CORNELL+	58,504
	9	YALE	57,351
	10	WASHINGTON+	55,096
	11	GEORGIA +	53,553
	12	CALIF.,DAVIS+	50,564
6	13	WISCONSIN+	48,907
	14	CHICAGO+	47,685
	15	STANFORD +	46,431
	16	MINNESOTA +	44,559
	17	NORTH CAROLINA +	44,513
	18	TORONTO +	40,238
7	19	IOWA +	37,297
	20	PRINCETON +	36,290
	21	DUKE	35,969
	22	ARIZONA STATE +	34,648
	23	HAWAII	33,889
	24	INDIANA+	32,586
	25	ARIZONA +	31,892
	26	SOUTHERN CALIFORNIA +	31,453
	27	OHIO STATE +	31,312
	28	PENNSYLVANIA +	30,511
8	29	NEW YORK +	29,789
	30	KANSAS	29,666
	31	FLORIDA	29,512
	32	PENNSYLVANIA STATE +	29,161
	33	BOSTON	29,129
	34	GEORGIA TECH +	28,557
	35	PITTSBURGH +	26,328
	36	NORTHWESTERN +	25,317
	37	HOWARD +	24,966
	38	MICHIGAN STATE +	24,859
	39	NEBRASKA +	23,755
	40	SUNY-BUFFALO +	23,703
	41	BRITISH COLUMBIA	23,521
	42	WAYNE STATE +	23,336
	43	SYRACUSE	23,027
	44	LOUISIANA STATE	22,840
	45	ALBERTA +	22,608
	46	HOUSTON	22,581
	47	VIRGINIA	22,318
	48	MIAMI +	21,565
	49	SOUTHERN ILLINOIS	21,473
	50	CALIF.,SANTA BARBARA +	21,247
	51	MIT +	21,147
	52	MARYLAND	20,658
	53	DELAWARE	20,590
	54	GEORGETOWN	20,485
	55	WASHINGTON STATE +	20,181
	56	DARTMOUTH	20,155
	57	JOHNS HOPKINS +	20,024
9	58	CONNECTICUT	19,872
	59	VPI & SU +	19,814
	60	IOWA STATE	19,683
	61	CINCINNATI	19,652
	62	CALIF.,SAN DIEGO	19,475
	63	WESTERN ONTARIO +	18,972
	64	SOUTH CAROLINA +	18,898
	65	RUTGERS	18,694
	66	OREGON	18,268
	67	PURDUE	18,224
	68	MCGILL	18,013
	69	EMORY	17,969
	70	VANDERBILT	17,800
	71	OKLAHOMA	17,370
	72	FLORIDA STATE	17,233
	73	BRIGHAM YOUNG +	17,222
	74	NEW MEXICO	17,105
	75	MISSOURI	16,880
	76	TEXAS A&M	16,772
	77	WASHINGTON U-ST. LOUIS +	16,454
	78	WATERLOO +	16,281
	79	NOTRE DAME	16,162
	80	CALIF.,IRVINE	15,904
	81	TEMPLE +	15,839
	82	ALABAMA	15,760
	83	QUEEN'S	15,562
	84	BROWN +	15,559
	85	NORTH CAROLINA STATE	15,439
	86	KENTUCKY	15,072
	87	TULANE	14,716
	88	TENNESSEE +	14,456
	89	UTAH	14,348
	90	MASSACHUSETTS +	14,138
	91	COLORADO	13,803
	92	LAVAL +	13,722
	93	CALIF.,RIVERSIDE +	13,668
	94	CASE WESTERN RESERVE	13,394
	95	SUNY-ALBANY	13,300
	96	SUNY-STONY BROOK +	13,117
	97	ROCHESTER +	12,857
	98	MANITOBA	12,433
	99	YORK	11,933
	100	COLORADO STATE	11,761
	101	RICE +	11,586
	102	OKLAHOMA STATE	10,350
	103	MCMASTER	10,240
	104	SASKATCHEWAN	10,118
	105	GUELPH	10,047
10	106	KENT STATE	7,375

U/A - Unavailable

+ - Includes government document serials

RANK ORDER TABLE 4: MICROFORM HOLDINGS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- under 1,000

Gp	Rank	Institution	Value
1	1	WASHINGTON	4,558,183
	2	HARVARD	4,154,154
2	3	CORNELL	3,989,843
	4	VPI & SU	3,896,551
	5	CALIF.,LOS ANGELES	3,835,492
	6	MISSOURI	3,776,024
	7	TEXAS	3,672,370
	8	VIRGINIA	3,578,749
3	9	COLUMBIA	3,388,230
	10	CALIF.,BERKELEY	3,385,553
	11	GEORGIA	3,375,262
	12	ARIZONA	3,149,171
	13	OKLAHOMA	3,116,897
	14	SYRACUSE	3,091,703
	15	MICHIGAN	3,090,623
	16	SUNY-BUFFALO	3,088,337
	17	TEXAS A&M	3,075,249
	18	STANFORD	3,036,169
4	19	ILLINOIS	2,894,312
	20	HOUSTON	2,800,380
	21	IOWA	2,724,049
	22	PENNSYLVANIA STATE	2,687,484
	23	SOUTHERN ILLINOIS	2,652,699
	24	MINNESOTA	2,642,377
	25	GEORGIA TECH	2,635,215
	26	NORTH CAROLINA STATE	2,622,754
	27	OHIO STATE	2,552,137
	28	MARYLAND	2,536,851
5	29	NORTH CAROLINA	2,474,007
	30	SUNY-STONY BROOK	2,459,066
	31	FLORIDA STATE	2,458,815
	32	YALE	2,395,015
	33	CALIF.,DAVIS	2,361,350
	34	FLORIDA	2,358,980
	35	NEW MEXICO	2,345,875
	36	HAWAII	2,333,732
	37	BOSTON	2,329,404
	38	RUTGERS	2,288,283
	39	ARIZONA STATE	2,285,508
	40	HOWARD	2,266,115
	41	SOUTH CAROLINA	2,252,284
	42	WASHINGTON STATE	2,234,690
	43	CONNECTICUT	2,209,378
	44	MICHIGAN STATE	2,192,757
	45	ROCHESTER	2,172,768
	46	UTAH	2,172,112
	47	ALBERTA	2,167,473
	48	NEW YORK	2,097,678
	49	CINCINNATI	2,094,891
	50	PITTSBURGH	2,021,116
	51	NEBRASKA	2,002,377
6	52	PRINCETON	1,991,432
	53	PENNSYLVANIA	1,972,178
	54	TORONTO	1,970,008
	55	IOWA STATE	1,860,590
	56	DARTMOUTH	1,801,291
	57	SOUTHERN CALIFORNIA	1,761,485
	58	KANSAS	1,750,968
	59	CALIF.,SANTA BARBARA	1,748,593
	60	WAYNE STATE	1,730,818
	61	TENNESSEE	1,683,725
	62	WESTERN ONTARIO	1,677,205
	63	NORTHWESTERN	1,669,565
	64	KENTUCKY	1,652,315
	65	RICE	1,650,637
	66	SASKATCHEWAN	1,547,564
	67	PURDUE	1,530,998
	68	TULANE	1,518,124
7	69	EMORY	1,499,654
	70	GEORGETOWN	1,497,147
	71	MIT	1,494,571
	72	OREGON	1,486,211
	73	JOHNS HOPKINS	1,477,129
	74	CHICAGO	1,474,116
	75	WASHINGTON U-ST. LOUIS	1,441,660
	76	QUEEN'S	1,437,771
	77	DELAWARE	1,387,968
	78	MASSACHUSETTS	1,385,671
	79	BRIGHAM YOUNG	1,382,794
	80	VANDERBILT	1,337,953
	81	DUKE	1,332,419
	82	TEMPLE	1,293,711
	83	INDIANA	1,256,323
	84	ALABAMA	1,193,565
	85	CALIF.,IRVINE	1,166,457
	86	WISCONSIN	1,156,515
	87	LOUISIANA STATE	1,117,553
	88	CALIF.,RIVERSIDE	1,075,296
	89	CALIF.,SAN DIEGO	1,044,147
8	90	NOTRE DAME	982,024
	91	COLORADO	980,582
	92	GUELPH	975,772
	93	BROWN	971,022
	94	MANITOBA	857,376
	95	MIAMI	847,220
	96	BRITISH COLUMBIA	822,692
	97	MCGILL	804,556
	98	KENT STATE	733,845
	99	OKLAHOMA STATE	655,971
	100	LAVAL	632,926
	101	CASE WESTERN RESERVE	609,311
	102	YORK	601,329
	103	WATERLOO	596,491
	104	SUNY-ALBANY	518,814
	105	MCMASTER	351,717
	106	COLORADO STATE	142,954

U/A - Unavailable

RANK ORDER TABLE 5: MATERIALS EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 5,500 and over
2- 5,000-5,499
3- 4,500-4,999
4- 4,000-4,499
5- 3,500-3,999
6- 3,000-3,499
7- 2,500-2,999
8- 2,000-2,499
9- 1,500-1,999
10- 1,000-1,499

Gp	Rank	Institution	Value
1	1	HARVARD	7,973,926
	2	CALIF.,LOS ANGELES	6,850,170
	3	TEXAS	6,281,077
	4	STANFORD	5,943,654
2	5	CALIF.,BERKELEY	5,487,829
	6	MICHIGAN	5,459,928
	7	YALE	5,343,700
3	8	ILLINOIS	4,990,169
	9	CORNELL	4,981,874
	10	COLUMBIA	4,779,944
	11	TORONTO	4,614,582
4	12	VIRGINIA	4,489,745
	13	MINNESOTA	4,486,453
	14	NORTH CAROLINA	4,428,784
	15	ARIZONA	4,402,842
	16	WISCONSIN	4,358,243
	17	ARIZONA STATE	4,347,917
	18	MISSOURI	4,299,835
	19	CALIF.,DAVIS	4,150,559
	20	PRINCETON	4,106,344
	21	GEORGIA	4,075,059
	22	RUTGERS	4,053,181
5	23	IOWA	3,920,605
	24	INDIANA	3,915,434
	25	OHIO STATE	3,906,790
	26	PENNSYLVANIA STATE	3,705,734
	27	FLORIDA	3,674,290
	28	TEXAS A&M	3,636,849
	29	DUKE	3,595,130
	30	CALIF.,SAN DIEGO	3,576,525
	31	WASHINGTON	3,528,168
	32	NEW YORK	3,513,998
6	33	CHICAGO	3,443,966
	34	NORTHWESTERN	3,422,739
	35	HOWARD	3,405,008
	36	LOUISIANA STATE	3,385,282
	37	SOUTHERN CALIFORNIA	3,341,106
	38	MARYLAND	3,297,790
	39	KANSAS	3,284,242
	40	BRITISH COLUMBIA	3,170,237
	41	PENNSYLVANIA	3,104,605
	42	CALIF.,IRVINE	3,078,629
	43	CALIF.,SANTA BARBARA	3,078,333
	44	WAYNE STATE	3,044,903
	45	MICHIGAN STATE	3,004,109
7	46	SUNY-BUFFALO	2,936,469
	47	DELAWARE	2,929,809
	48	BRIGHAM YOUNG	2,929,775
	49	GEORGETOWN	2,844,978
	50	VANDERBILT	2,823,218
	51	EMORY	2,793,982
	52	SYRACUSE	2,773,360
	53	CINCINNATI	2,709,140
	54	NEW MEXICO	2,705,297
	55	JOHNS HOPKINS	2,700,756
	56	TEMPLE	2,676,038
	57	MCGILL	2,674,644
	58	FLORIDA STATE	2,674,535
	59	CONNECTICUT	2,660,868
	60	NORTH CAROLINA STATE	2,658,154
	61	VPI & SU	2,627,290
	62	PITTSBURGH	2,625,854
	63	ALBERTA	2,584,852
	64	KENTUCKY	2,573,297
	65	NEBRASKA	2,553,056
	66	OREGON	2,552,825
	67	HAWAII	2,549,867
	68	SUNY-STONY BROOK	2,547,369
	69	BOSTON	2,536,686
	70	WESTERN ONTARIO	2,523,857
	71	TULANE	2,512,837
8	72	MCMASTER	2,457,167
	73	HOUSTON	2,423,744
	74	IOWA STATE	2,407,902
	75	WASHINGTON U-ST. LOUIS	2,404,897
	76	ROCHESTER	2,369,639
	77	PURDUE	2,310,469
	78	MIAMI	2,292,977
	79	MIT	2,263,528
	80	COLORADO	2,261,107
	81	OKLAHOMA	2,229,130
	82	SOUTHERN ILLINOIS	2,219,481
	83	ALABAMA	2,211,547
	84	WASHINGTON STATE	2,197,648
	85	NOTRE DAME	2,178,961
	86	CALIF.,RIVERSIDE	2,168,576
	87	MASSACHUSETTS	2,157,163
	88	LAVAL	2,150,370
	89	DARTMOUTH	2,142,200
	90	BROWN	2,129,155
	91	UTAH	2,099,077
	92	QUEEN'S	2,087,415
	93	SOUTH CAROLINA	2,086,561
	94	WATERLOO	2,016,208
	95	YORK	2,015,190
9	96	SASKATCHEWAN	1,987,573
	97	TENNESSEE	1,976,022
	98	SUNY-ALBANY	1,971,360
	99	MANITOBA	1,947,032
	100	RICE	1,855,008
	101	CASE WESTERN RESERVE	1,757,829
	102	GUELPH	1,690,850
10	103	OKLAHOMA STATE	1,493,208
	104	COLORADO STATE	1,388,706
	105	GEORGIA TECH	1,304,083
	106	KENT STATE	1,274,739

U/A - Unavailable

RANK ORDER TABLE 6: SALARIES AND WAGES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 10,000 and over
2- 9,000-9,999
3- 8,000-8,999
4- 7,000-7,999
5- 6,000-6,999
6- 5,000-5,999
7- 4,000-4,999
8- 3,000-3,999
9- 2,000-2,999
10- 1,000-1,999

Gp	Rank	Institution	Value
1	1	HARVARD	17,633,487
	2	CALIF.,BERKELEY	16,159,145
	3	CALIF.,LOS ANGELES	15,044,939
	4	STANFORD	14,319,060
	5	TORONTO	12,223,812
	6	YALE	10,929,898
	7	COLUMBIA	10,348,756
2	8	MICHIGAN	9,763,453
	9	TEXAS	9,109,370
3	10	WISCONSIN	8,792,029
	11	RUTGERS	8,704,329
	12	CORNELL	8,441,445
	13	MINNESOTA	8,341,038
4	14	ILLINOIS	7,835,251
	15	WASHINGTON	7,577,758
	16	OHIO STATE	7,446,723
	17	PENNSYLVANIA STATE	7,396,002
	18	BRITISH COLUMBIA	7,057,797
	19	NEW YORK	7,032,972
5	20	ALBERTA	6,944,409
	21	PRINCETON	6,815,027
	22	INDIANA	6,633,995
	23	PENNSYLVANIA	6,626,813
	24	NORTH CAROLINA	6,565,650
	25	CALIF.,DAVIS	6,442,338
	26	CHICAGO	6,313,816
6	27	NORTHWESTERN	5,911,744
	28	VIRGINIA	5,823,687
	29	CALIF.,SAN DIEGO	5,757,951
	30	MCGILL	5,757,155
	31	SOUTHERN CALIFORNIA	5,639,403
	32	HOWARD	5,466,966
	33	CALIF.,SANTA BARBARA	5,367,836
	34	DUKE	5,349,518
	35	ARIZONA	5,222,475
	36	LAVAL	5,162,508
	37	MICHIGAN STATE	5,125,245
	38	MARYLAND	5,095,843
7	39	FLORIDA	4,978,679
	40	JOHNS HOPKINS	4,911,993
	41	PITTSBURGH	4,911,446
	42	MIT	4,828,318
	43	ARIZONA STATE	4,682,354
	44	CINCINNATI	4,633,198
	45	SUNY-BUFFALO	4,574,762
	46	GEORGETOWN	4,510,208
	47	CALIF.,IRVINE	4,505,743
	48	KANSAS	4,384,089
	49	CONNECTICUT	4,358,795
	50	NEW MEXICO	4,202,792
	51	WESTERN ONTARIO	4,190,387
	52	IOWA	4,154,204
	53	HAWAII	4,129,154
	54	GEORGIA	4,088,077
8	55	WAYNE STATE	3,934,794
	56	MASSACHUSETTS	3,898,520
	57	MANITOBA	3,891,596
	58	BOSTON	3,889,582
	59	BRIGHAM YOUNG	3,860,674
	60	YORK	3,794,914
	61	SOUTHERN ILLINOIS	3,747,512
	62	EMORY	3,731,394
	63	TEXAS A&M	3,725,662
	64	COLORADO	3,658,836
	65	SUNY-STONY BROOK	3,639,097
	66	KENTUCKY	3,633,748
	67	SYRACUSE	3,579,998
	68	PURDUE	3,578,088
	69	LOUISIANA STATE	3,562,035
	70	TEMPLE	3,514,956
	71	VANDERBILT	3,498,997
	72	BROWN	3,460,760
	73	MISSOURI	3,445,212
	74	HOUSTON	3,440,767
	75	MIAMI	3,433,291
	76	WASHINGTON U-ST. LOUIS	3,378,540
	77	ROCHESTER	3,349,087
	78	WATERLOO	3,292,753
	79	WASHINGTON STATE	3,270,902
	80	NORTH CAROLINA STATE	3,252,014
	81	KENT STATE	3,218,380
	82	TENNESSEE	3,213,276
	83	MCMASTER	3,171,277
	84	CALIF.,RIVERSIDE	3,171,170
	85	SOUTH CAROLINA	3,161,345
	86	QUEEN'S	3,144,447
	87	IOWA STATE	3,125,747
	88	UTAH	3,093,253
9	89	VPI & SU	2,928,364
	90	SASKATCHEWAN	2,870,346
	91	CASE WESTERN RESERVE	2,856,898
	92	FLORIDA STATE	2,824,028
	93	NEBRASKA	2,803,924
	94	SUNY-ALBANY	2,772,756
	95	DELAWARE	2,738,214
	96	OKLAHOMA	2,722,094
	97	OREGON	2,690,620
	98	DARTMOUTH	2,616,376
	99	TULANE	2,595,320
	100	NOTRE DAME	2,570,714
	101	GUELPH	2,519,950
	102	COLORADO STATE	2,437,618
	103	GEORGIA TECH	2,240,003
	104	ALABAMA	2,200,644
10	105	RICE	1,971,465
	106	OKLAHOMA STATE	1,934,269

U/A - Unavailable

RANK ORDER TABLE 7: OTHER OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- under 1,000

Gp	Rank	Institution	Value
1	1	CALIF.,LOS ANGELES	4,788,344
	2	HARVARD	4,707,296
3	3	PENNSYLVANIA STATE	3,481,896
	4	YALE	3,262,400
	5	STANFORD	3,020,925
4	6	CALIF.,BERKELEY	2,818,066
	7	CORNELL	2,792,257
	8	CHICAGO	2,598,539
	9	JOHNS HOPKINS	2,502,230
5	10	PENNSYLVANIA	2,461,051
	11	COLUMBIA	2,440,687
	12	WISCONSIN	2,384,046
	13	ILLINOIS	2,369,275
	14	WASHINGTON U-ST. LOUIS	2,203,922
	15	OHIO STATE	2,197,520
	16	MICHIGAN	2,058,783
	17	NEW YORK	2,029,378
6	18	DUKE	1,954,043
	19	BOSTON	1,809,909
	20	BROWN	1,773,711
	21	MINNESOTA	1,773,243
	22	TEXAS	1,748,566
	23	CALIF.,SAN DIEGO	1,706,188
	24	EMORY	1,668,915
	25	GEORGETOWN	1,647,402
	26	HOWARD	1,630,734
	27	WAYNE STATE	1,602,228
	28	CASE WESTERN RESERVE	1,579,450
	29	HAWAII	1,539,606
7	30	MIT	1,482,171
	31	KANSAS	1,443,111
	32	MICHIGAN STATE	1,414,506
	33	NORTH CAROLINA	1,384,698
	34	SOUTHERN CALIFORNIA	1,377,037
	35	TEXAS A&M	1,361,951
	36	RUTGERS	1,348,473
	37	ARIZONA STATE	1,343,519
	38	SYRACUSE	1,330,483
	39	MARYLAND	1,315,333
	40	VIRGINIA	1,312,473
	41	CINCINNATI	1,292,803
	42	CALIF.,IRVINE	1,292,109
	43	ARIZONA	1,281,296
	44	WASHINGTON	1,261,656
	45	CALIF.,DAVIS	1,203,079
	46	PITTSBURGH	1,198,863
	47	GEORGIA	1,196,454
	48	ALBERTA	1,195,215
	49	PRINCETON	1,186,631
	50	OKLAHOMA STATE	1,185,808
	51	NORTH CAROLINA STATE	1,166,178
	52	NORTHWESTERN	1,147,586
	53	VANDERBILT	1,140,328
	54	INDIANA	1,127,687
	55	KENTUCKY	1,096,141
	56	SUNY-BUFFALO	1,081,358
	57	CALIF.,SANTA BARBARA	1,080,897
	58	KENT STATE	1,055,122
	59	FLORIDA	1,038,276
	60	TORONTO	1,027,621
	61	MIAMI	1,020,196
8	62	WASHINGTON STATE	915,086
	63	BRIGHAM YOUNG	887,463
	64	DARTMOUTH	873,043
	65	LOUISIANA STATE	869,992
	66	VPI & SU	853,301
	67	YORK	846,721
	68	HOUSTON	827,969
	69	DELAWARE	824,662
	70	CALIF.,RIVERSIDE	799,694
	71	ROCHESTER	776,641
	72	OKLAHOMA	775,304
	73	NOTRE DAME	774,491
	74	MCGILL	712,963
	75	NEW MEXICO	704,074
	76	BRITISH COLUMBIA	701,969
	77	CONNECTICUT	701,378
	78	GEORGIA TECH	697,864
	79	MISSOURI	696,577
	80	RICE	665,102
	81	SOUTHERN ILLINOIS	638,963
	82	MASSACHUSETTS	636,457
	83	LAVAL	616,481
	84	PURDUE	609,075
	85	WATERLOO	607,589
	86	TULANE	583,068
	87	SUNY-ALBANY	574,145
	88	ALABAMA	569,862
	89	MANITOBA	534,962
	90	COLORADO	529,231
	91	UTAH	509,183
	92	TENNESSEE	481,267
	93	TEMPLE	472,632
	94	OREGON	472,281
	95	SUNY-STONY BROOK	469,693
	96	NEBRASKA	442,925
	97	SOUTH CAROLINA	419,245
	98	IOWA STATE	380,659
	99	MCMASTER	372,681
	100	IOWA	361,669
	101	FLORIDA STATE	326,190
	102	SASKATCHEWAN	313,260
	103	COLORADO STATE	308,669
	104	QUEEN'S	285,079
	105	WESTERN ONTARIO	283,118
	106	GUELPH	57,885

U/A - Unavailable

RANK ORDER TABLE 8: TOTAL OPERATING EXPENDITURES

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 16,000 and over	8- 9,000-9,999
2- 15,000-15,999	9- 8,000-8,999
3- 14,000-14,999	10- 7,000-7,999
4- 13,000-13,999	11- 6,000-6,999
5- 12,000-12,999	12- 5,000-5,999
6- 11,000-11,999	13- 4,000-4,999
7- 10,000-10,999	14- 3,000-3,999

Gp	Rank	Institution	Value	Gp	Rank	Institution	Value
1	1	HARVARD	30,988,429		52	MISSOURI	8,602,188
	2	CALIF.,LOS ANGELES	27,529,037		53	HAWAII	8,420,637
	3	CALIF.,BERKELEY	25,114,849		54	BOSTON	8,361,092
	4	STANFORD	23,608,856		55	EMORY	8,340,072
	5	YALE	19,850,398		56	WASHINGTON U-ST. LOUIS	8,103,626
	6	TORONTO	18,053,344		57	LOUISIANA STATE	8,008,843
	7	COLUMBIA	18,031,190				
	8	MICHIGAN	17,526,414	10	58	LAVAL	7,991,511
	9	TEXAS	17,315,732		59	CONNECTICUT	7,874,952
	10	CORNELL	16,464,418		60	SYRACUSE	7,789,985
					61	BRIGHAM YOUNG	7,776,465
2	11	WISCONSIN	15,784,676		62	NEW MEXICO	7,750,244
	12	ILLINOIS	15,428,361		63	VANDERBILT	7,597,039
					64	BROWN	7,497,384
3	13	MINNESOTA	14,956,701		65	KENTUCKY	7,395,619
	14	PENNSYLVANIA STATE	14,820,213		66	NORTH CAROLINA STATE	7,215,356
	15	RUTGERS	14,443,513		67	WESTERN ONTARIO	7,130,876
4	16	OHIO STATE	13,811,139	11	68	MIAMI	6,875,415
					69	SOUTHERN ILLINOIS	6,785,656
5	17	NEW YORK	12,801,816		70	TEMPLE	6,782,747
	18	WASHINGTON	12,655,741		71	MASSACHUSETTS	6,782,429
	19	NORTH CAROLINA	12,648,539		72	SUNY-STONY BROOK	6,777,927
	20	CHICAGO	12,605,029		73	YORK	6,774,073
	21	PENNSYLVANIA	12,468,646		74	HOUSTON	6,757,350
	22	PRINCETON	12,390,223		75	DELAWARE	6,631,625
	23	CALIF.,DAVIS	12,177,242		76	PURDUE	6,602,987
					77	ROCHESTER	6,601,583
6	24	INDIANA	11,906,464		78	COLORADO	6,575,349
	25	VIRGINIA	11,873,220		79	VPI & SU	6,553,355
	26	CALIF.,SAN DIEGO	11,336,121		80	WASHINGTON STATE	6,535,747
	27	ARIZONA	11,228,817		81	MANITOBA	6,486,406
	28	BRITISH COLUMBIA	11,076,600		82	CALIF.,RIVERSIDE	6,303,190
	29	DUKE	11,073,951		83	CASE WESTERN RESERVE	6,265,454
					84	IOWA STATE	6,074,302
7	30	ALBERTA	10,814,712		85	MCMASTER	6,069,787
	31	NORTHWESTERN	10,674,464				
	32	HOWARD	10,656,085	12	86	WATERLOO	5,978,829
	33	ARIZONA STATE	10,608,833		87	FLORIDA STATE	5,951,851
	34	SOUTHERN CALIFORNIA	10,479,608		88	NEBRASKA	5,941,275
	35	JOHNS HOPKINS	10,224,559		89	OREGON	5,825,800
					90	UTAH	5,810,603
8	36	MARYLAND	9,932,703		91	TULANE	5,808,536
	37	FLORIDA	9,875,490		92	OKLAHOMA	5,805,954
	38	CALIF.,SANTA BARBARA	9,763,294		93	SOUTH CAROLINA	5,788,807
	39	MICHIGAN STATE	9,723,470		94	TENNESSEE	5,785,671
	40	GEORGIA	9,597,769		95	DARTMOUTH	5,693,262
	41	KANSAS	9,283,467		96	NOTRE DAME	5,638,794
	42	MCGILL	9,279,089		97	KENT STATE	5,623,444
	43	GEORGETOWN	9,161,123		98	QUEEN'S	5,604,165
	44	CALIF.,IRVINE	9,089,029		99	SUNY-ALBANY	5,389,261
					100	SASKATCHEWAN	5,241,180
9	45	PITTSBURGH	8,893,988		101	ALABAMA	5,089,297
	46	TEXAS A&M	8,851,483				
	47	CINCINNATI	8,771,800	13	102	OKLAHOMA STATE	4,699,819
	48	SUNY-BUFFALO	8,752,551		103	RICE	4,540,456
	49	MIT	8,719,174		104	GUELPH	4,316,590
	50	WAYNE STATE	8,682,030		105	GEORGIA TECH	4,308,387
	51	IOWA	8,668,791		106	COLORADO STATE	4,214,993

U/A - Unavailable

RANK ORDER TABLE 9: MONOGRAPHICS PURCHASED (VOLUMES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 100,000 and over
2- 90,000-99,999
3- 80,000-89,999
4- 70,000-79,999
5- 60,000-69,999
6- 50,000-59,999
7- 40,000-49,999
8- 30,000-39,999
9- 20,000-29,999
10- 10,000-19,999
11- under 10,000

Gp	Rank	Institution	Value
1	1	CORNELL	129,755
	2	YALE	101,630
3	3	NORTH CAROLINA	85,102
4	4	VIRGINIA	75,452
	5	ILLINOIS	72,133
5	6	ARIZONA	69,691
	7	OHIO STATE	63,516
	8	BRITISH COLUMBIA	62,727
	9	CALIF.,SAN DIEGO	62,478
	10	PRINCETON	60,238
6	11	ARIZONA STATE	59,113
	12	ALBERTA	58,968
	13	MISSOURI	58,631
	14	MICHIGAN STATE	56,734
	15	CALIF.,DAVIS	55,644
	16	DUKE	54,025
	17	KANSAS	52,625
7	18	FLORIDA	49,025
	19	RUTGERS	48,420
	20	NORTHWESTERN	48,233
	21	OREGON	48,120
	22	GEORGETOWN	47,990
	23	MARYLAND	46,545
	24	CALIF.,RIVERSIDE	46,183
	25	COLUMBIA	46,000
	26	BROWN	45,961
	27	NEW YORK	40,937
	28	MCGILL	40,465
8	29	BRIGHAM YOUNG	39,964
	30	WESTERN ONTARIO	39,642
	31	CALIF.,IRVINE	39,011
	32	HOWARD	35,030
	33	MCMASTER	34,991
	34	HOUSTON	34,851
	35	JOHNS HOPKINS	34,825
	36	SOUTHERN CALIFORNIA	34,692
	37	MASSACHUSETTS	34,339
	38	SASKATCHEWAN	34,108
	39	WAYNE STATE	33,210
	40	WASHINGTON	32,933
	41	OKLAHOMA	32,425
	42	VPI & SU	32,382
	43	NEW MEXICO	32,031
	44	SYRACUSE	31,261
	45	TULANE	30,925
	46	WATERLOO	30,753
9	47	LOUISIANA STATE	29,811
	48	IOWA STATE	29,450
	49	NOTRE DAME	29,149
	50	HAWAII	28,641
	51	NORTH CAROLINA STATE	27,986
	52	SOUTHERN ILLINOIS	27,491
	53	SOUTH CAROLINA	27,473
	54	TEMPLE	27,169
	55	NEBRASKA	26,934
	56	TEXAS A&M	26,028
	57	MIAMI	25,200
	58	BOSTON	24,893
	59	ALABAMA	24,724
	60	KENTUCKY	24,683
	61	MANITOBA	23,663
	62	KENT STATE	23,637
	63	GUELPH	23,558
	64	COLORADO	23,029
	65	QUEEN'S	22,762
	66	SUNY-ALBANY	22,741
	67	TENNESSEE	22,577
	68	WASHINGTON STATE	21,731
	69	MIT	21,272
	70	WASHINGTON U-ST. LOUIS	20,462
10	71	LAVAL	19,605
	72	OKLAHOMA STATE	15,505
	73	COLORADO STATE	14,705
	74	ROCHESTER	14,677
	75	PURDUE	13,951
	76	CASE WESTERN RESERVE	11,060
11	77	GEORGIA TECH	8,257
		CALIF.,BERKELEY	U/A
		CALIF.,LOS ANGELES	U/A
		CALIF.,SANTA BARBARA	U/A
		CHICAGO	U/A
		CINCINNATI	U/A
		CONNECTICUT	U/A
		DARTMOUTH	U/A
		DELAWARE	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		GEORGIA	U/A
		HARVARD	U/A
		INDIANA	U/A
		IOWA	U/A
		MICHIGAN	U/A
		MINNESOTA	U/A
		PENNSYLVANIA	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		RICE	U/A
		STANFORD	U/A
		SUNY-BUFFALO	U/A
		SUNY-STONY BROOK	U/A
		TEXAS	U/A
		TORONTO	U/A
		UTAH	U/A
		VANDERBILT	U/A
		WISCONSIN	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 10: EXPENDITURES FOR MONOGRAPHS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group ranges (in thousands) are:

1- 4,000 and over
2- 3,500-3,999
3- 3,000-3,499
4- 2,500-2,999
5- 2,000-2,499
6- 1,500-1,999
7- 1,000-1,499
8- 500- 999
9- under 500

Gp	Rank	Institution	Value
1	1	CORNELL	4,981,874
2	2	HARVARD	3,915,495
	3	CALIF.,LOS ANGELES	3,846,191
	4	TEXAS	3,782,763
3	5	STANFORD	3,441,593
4	6	MISSOURI	2,785,396
	7	COLUMBIA	2,730,950
	8	CALIF.,BERKELEY	2,609,273
5	9	ILLINOIS	2,381,217
	10	NORTH CAROLINA	2,173,863
	11	INDIANA	2,149,576
	12	TORONTO	2,139,930
6	13	MINNESOTA	1,985,091
	14	ARIZONA STATE	1,957,643
	15	PRINCETON	1,914,377
	16	VIRGINIA	1,838,802
	17	BRIGHAM YOUNG	1,763,374
	18	CALIF.,SAN DIEGO	1,695,550
	19	DELAWARE	1,689,022
	20	WISCONSIN	1,630,275
	21	PENNSYLVANIA STATE	1,619,854
	22	OHIO STATE	1,608,856
	23	YALE	1,582,900
	24	KANSAS	1,577,587
	25	NORTHWESTERN	1,576,972
	26	ARIZONA	1,559,644
	27	PENNSYLVANIA	1,557,189
	28	RUTGERS	1,541,678
	29	MICHIGAN STATE	1,539,043
7	30	DUKE	1,498,608
	31	BRITISH COLUMBIA	1,464,378
	32	IOWA	1,453,740
	33	CALIF.,DAVIS	1,443,797
	34	UTAH	1,428,497
	35	VPI & SU	1,336,387
	36	FLORIDA	1,325,423
	37	TEMPLE	1,305,129
	38	WAYNE STATE	1,304,427
	39	NEW YORK	1,287,459
	40	MARYLAND	1,284,250
	41	CALIF.,IRVINE	1,262,772
	42	CALIF.,RIVERSIDE	1,252,247
	43	LOUISIANA STATE	1,244,466
	44	HOWARD	1,219,077
	45	MCMASTER	1,217,630
	46	CINCINNATI	1,184,463
	47	GEORGETOWN	1,183,061
	48	FLORIDA STATE	1,174,010
	49	TULANE	1,170,363
	50	TEXAS A&M	1,147,241
	51	HAWAII	1,120,645
	52	BROWN	1,117,216
	53	EMORY	1,078,111
	54	VANDERBILT	1,067,874
	55	GEORGIA	1,046,716
	56	SOUTHERN CALIFORNIA	1,023,554
	57	SUNY-STONY BROOK	1,002,979
8	58	JOHNS HOPKINS	999,368
	59	SUNY-BUFFALO	977,072
	60	PITTSBURGH	951,847
	61	MIAMI	951,333
	62	WESTERN ONTARIO	917,978
	63	SYRACUSE	915,209
	64	WASHINGTON	906,852
	65	HOUSTON	899,681
	66	NOTRE DAME	898,172
	67	YORK	896,206
	68	OREGON	892,896
	69	WATERLOO	881,040
	70	IOWA STATE	880,445
	71	NEBRASKA	860,783
	72	MCGILL	849,360
	73	KENTUCKY	844,878
	74	MANITOBA	838,244
	75	BOSTON	830,226
	76	ALABAMA	814,847
	77	QUEEN'S	813,461
	78	MASSACHUSETTS	796,007
	79	DARTMOUTH	773,057
	80	SASKATCHEWAN	772,698
	81	ROCHESTER	767,539
	82	OKLAHOMA	765,633
	83	NORTH CAROLINA STATE	752,117
	84	SOUTH CAROLINA	721,588
	85	ALBERTA	718,931
	86	PURDUE	708,359
	87	NEW MEXICO	704,245
	88	SOUTHERN ILLINOIS	678,027
	89	MIT	672,312
	90	WASHINGTON U-ST. LOUIS	648,188
	91	TENNESSEE	629,816
	92	COLORADO	623,359
	93	LAVAL	621,632
	94	WASHINGTON STATE	612,617
	95	SUNY-ALBANY	589,589
	96	KENT STATE	516,815
	97	GUELPH	506,174
	98	COLORADO STATE	503,038
9	99	OKLAHOMA STATE	441,199
	100	CASE WESTERN RESERVE	411,995
	101	GEORGIA TECH	295,658
		CALIF.,SANTA BARBARA	U/A
		CHICAGO	U/A
		CONNECTICUT	U/A
		MICHIGAN	U/A
		RICE	U/A

U/A - Unavailable

RANK ORDER TABLE 11: SERIALS PURCHASED (TITLES)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 50,000 and over
2- 40,000-49,999
3- 30,000-39,999
4- 20,000-29,999
5- 10,000-19,999
6- under 10,000

Gp	Rank	Institution	Value
1	1	CORNELL	58,504
2	2	CALIF.,DAVIS	42,038
	3	GEORGIA	41,991
3	4	YALE	36,650
	5	IOWA	34,628
	6	MICHIGAN	33,418
	7	TORONTO	32,401
	8	ARIZONA	31,550
	9	COLUMBIA	30,665
4	10	MINNESOTA	28,610
	11	HAWAII	26,960
	12	NEW YORK	26,507
	13	FLORIDA	25,727
	14	HOWARD	24,118
	15	NORTH CAROLINA	23,869
	16	OHIO STATE	22,708
	17	HOUSTON	21,698
	18	KANSAS	21,642
	19	SOUTHERN ILLINOIS	21,473
	20	ALBERTA	20,199
5	21	VIRGINIA	19,768
	22	BRITISH COLUMBIA	19,462
	23	SUNY-BUFFALO	18,959
	24	GEORGIA TECH	18,786
	25	LOUISIANA STATE	17,970
	26	BOSTON	17,675
	27	PURDUE	17,660
	28	MARYLAND	17,341
	29	VPI & SU	17,214
	30	OKLAHOMA	16,736
	31	DARTMOUTH	16,427
	32	WAYNE STATE	16,198
	33	NOTRE DAME	16,162
	34	MICHIGAN STATE	15,919
	35	JOHNS HOPKINS	15,630
	36	TEXAS A&M	15,603
	37	SOUTH CAROLINA	15,578
	38	QUEEN'S	15,562
	39	ALABAMA	15,482
	40	CALIF.,IRVINE	14,958
	41	OREGON	14,949
	42	SOUTHERN CALIFORNIA	14,835
	43	MCGILL	14,555
	44	TEMPLE	13,717
	45	MISSOURI	13,659
	46	IOWA STATE	13,599
	47	WASHINGTON STATE	13,454
	48	SUNY-ALBANY	13,300
	49	COLORADO	13,292
	50	BROWN	13,234
	51	CASE WESTERN RESERVE	12,686
	52	NORTH CAROLINA STATE	12,567
	53	TENNESSEE	12,321
	54	MASSACHUSETTS	12,190
	55	MANITOBA	11,463
	56	ROCHESTER	11,060
	57	LAVAL	10,295
	58	BRIGHAM YOUNG	10,223
6	59	CALIF.,RIVERSIDE	9,970
	60	MIT	9,730
	61	MCMASTER	9,545
	62	WATERLOO	9,502
	63	OKLAHOMA STATE	9,238
	64	COLORADO STATE	8,445
	65	KENT STATE	6,875
		ARIZONA STATE	U/A
		CALIF.,BERKELEY	U/A
		CALIF.,LOS ANGELES	U/A
		CALIF.,SAN DIEGO	U/A
		CALIF.,SANTA BARBARA	U/A
		CHICAGO	U/A
		CINCINNATI	U/A
		CONNECTICUT	U/A
		DELAWARE	U/A
		DUKE	U/A
		EMORY	U/A
		FLORIDA STATE	U/A
		GEORGETOWN	U/A
		GUELPH	U/A
		HARVARD	U/A
		ILLINOIS	U/A
		INDIANA	U/A
		KENTUCKY	U/A
		MIAMI	U/A
		NEBRASKA	U/A
		NEW MEXICO	U/A
		NORTHWESTERN	U/A
		PENNSYLVANIA	U/A
		PENNSYLVANIA STATE	U/A
		PITTSBURGH	U/A
		PRINCETON	U/A
		RICE	U/A
		RUTGERS	U/A
		SASKATCHEWAN	U/A
		STANFORD	U/A
		SUNY-STONY BROOK	U/A
		SYRACUSE	U/A
		TEXAS	U/A
		TULANE	U/A
		UTAH	U/A
		VANDERBILT	U/A
		WASHINGTON	U/A
		WASHINGTON U-ST. LOUIS	U/A
		WESTERN ONTARIO	U/A
		WISCONSIN	U/A
		YORK	U/A

U/A - Unavailable

RANK ORDER TABLE 12: EXPENDITURES FOR SERIALS

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

Group Ranges (in thousands) are:

1- 2,700 and over
2- 2,500-2,699
3- 2,300-2,499
4- 2,100-2,299
5- 1,900-2,099
6- 1,700-1,899
7- 1,500-1,699
8- 1,300-1,499
9- 1,100-1,299
10- 900-1,099
11- 700- 899
12- under 700

Gp	Rank	Institution	Value
1	1	HARVARD	3,444,002
	2	CALIF.,LOS ANGELES	3,003,979
	3	CALIF.,BERKELEY	2,878,556
2	4	GEORGIA	2,660,530
	5	MICHIGAN	2,595,949
	6	STANFORD	2,502,061
3	7	TEXAS	2,498,314
	8	TORONTO	2,474,652
	9	WASHINGTON	2,457,310
	10	CALIF.,DAVIS	2,455,241
	11	ILLINOIS	2,437,957
	12	ARIZONA	2,424,261
	13	MINNESOTA	2,370,013
4	14	OHIO STATE	2,297,934
	15	ARIZONA STATE	2,267,702
	16	WISCONSIN	2,251,247
	17	YALE	2,206,400
	18	HOWARD	2,165,168
	19	IOWA	2,118,314
5	20	PENNSYLVANIA STATE	2,085,880
	21	COLUMBIA	1,995,547
	22	DUKE	1,924,122
	23	NORTH CAROLINA	1,918,056
6	24	LOUISIANA STATE	1,897,212
	25	ALBERTA	1,865,921
	26	SOUTHERN CALIFORNIA	1,828,598
	27	PRINCETON	1,823,342
	28	VIRGINIA	1,813,362
	29	CHICAGO	1,779,105
	30	SYRACUSE	1,774,950
	31	TEXAS A&M	1,763,036
	32	NORTHWESTERN	1,738,873
	33	BRITISH COLUMBIA	1,705,859
	34	KANSAS	1,700,402
7	35	INDIANA	1,651,253
	36	FLORIDA	1,642,796
	37	NEW YORK	1,626,761
	38	MARYLAND	1,624,717
	39	WESTERN ONTARIO	1,605,879
	40	PURDUE	1,586,595
	41	NEBRASKA	1,586,297
	42	PITTSBURGH	1,580,769
	43	BOSTON	1,569,746
	44	WASHINGTON U-ST. LOUIS	1,565,084
	45	SUNY-BUFFALO	1,563,204
	46	WASHINGTON STATE	1,557,054
	47	ROCHESTER	1,549,120
	48	RUTGERS	1,547,481
	49	PENNSYLVANIA	1,547,416
	50	CINCINNATI	1,524,677
	51	CALIF.,IRVINE	1,521,500
	52	JOHNS HOPKINS	1,517,724
8	53	KENTUCKY	1,475,825
	54	MICHIGAN STATE	1,465,066
	55	VANDERBILT	1,463,076
	56	SOUTHERN ILLINOIS	1,456,992
	57	IOWA STATE	1,435,994
	58	COLORADO	1,426,176
	59	NORTH CAROLINA STATE	1,419,969
	60	FLORIDA STATE	1,389,858
	61	EMORY	1,378,980
	62	NEW MEXICO	1,370,204
	63	SOUTH CAROLINA	1,364,973
	64	MIT	1,363,005
	65	MISSOURI	1,361,375
	66	CONNECTICUT	1,360,071
	67	TENNESSEE	1,346,206
	68	ALABAMA	1,344,912
	69	HOUSTON	1,344,221
	70	CALIF.,SANTA BARBARA	1,332,640
	71	HAWAII	1,327,462
	72	OKLAHOMA	1,322,062
9	73	CALIF.,SAN DIEGO	1,275,474
	74	TULANE	1,268,950
	75	MIAMI	1,263,216
	76	SUNY-STONY BROOK	1,244,368
	77	DELAWARE	1,240,787
	78	MCGILL	1,239,952
	79	CASE WESTERN RESERVE	1,239,597
	80	MCMASTER	1,235,859
	81	SASKATCHEWAN	1,214,875
	82	OREGON	1,212,073
	83	GEORGETOWN	1,206,460
	84	VPI & SU	1,164,939
	85	DARTMOUTH	1,126,957
	86	TEMPLE	1,113,523
	87	MANITOBA	1,108,788
	88	SUNY-ALBANY	1,104,320
	89	MASSACHUSETTS	1,103,882
10	90	WAYNE STATE	1,086,662
	91	NOTRE DAME	1,077,027
	92	WATERLOO	1,068,271
	93	LAVAL	1,046,098
	94	QUEEN'S	1,015,228
	95	BROWN	1,011,939
	96	OKLAHOMA STATE	1,007,637
	97	BRIGHAM YOUNG	984,062
	98	YORK	982,747
11	99	CALIF.,RIVERSIDE	870,577
	100	GUELPH	820,216
	101	GEORGIA TECH	797,926
12	102	UTAH	670,580
	103	COLORADO STATE	659,669
	104	KENT STATE	618,555
		CORNELL	U/A
		RICE	U/A

U/A - Unavailable

RANK ORDER TABLE 13: TOTAL ITEMS LOANED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 50,000 and over
2- 45,000-49,999
3- 40,000-44,999
4- 35,000-39,999
5- 30,000-34,999
6- 25,000-29,999
7- 20,000-24,999
8- 15,000-19,999
9- 10,000-14,999
10- 5,000- 9,999
11- under 5,000

Gp	Rank	Institution	Value
1	1	MINNESOTA	173,493
	2	ILLINOIS	122,803
	3	WASHINGTON	102,109
	4	WISCONSIN	89,214
	5	CALIF.,LOS ANGELES	55,299
2	6	SOUTHERN ILLINOIS	49,570
	7	CHICAGO	45,254
3	8	IOWA	44,763
	9	KANSAS	44,500
4	10	CALIF.,BERKELEY	39,620
	11	HARVARD	39,007
	12	CASE WESTERN RESERVE	38,589
	13	ARIZONA	36,177
	14	TEXAS A&M	36,126
	15	OHIO STATE	35,643
	16	MCGILL	35,455
5	17	CALIF.,DAVIS	30,751
6	18	INDIANA	29,589
	19	GEORGIA	28,401
	20	MICHIGAN	28,295
	21	CORNELL	28,176
	22	FLORIDA	28,044
	23	COLUMBIA	28,006
	24	NORTH CAROLINA STATE	27,879
	25	DUKE	27,594
	26	MISSOURI	26,549
	27	OKLAHOMA	25,970
	28	CINCINNATI	25,386
7	29	SUNY-BUFFALO	24,963
	30	PITTSBURGH	24,770
	31	CONNECTICUT	24,283
	32	EMORY	24,237
	33	NORTH CAROLINA	24,210
	34	TENNESSEE	24,098
	35	ARIZONA STATE	22,764
	36	FLORIDA STATE	22,342
	37	VIRGINIA	21,226
	38	ROCHESTER	20,918
	39	STANFORD	20,569
8	40	WAYNE STATE	19,880
	41	TORONTO	19,822
	42	PENNSYLVANIA STATE	19,621
	43	WASHINGTON U-ST. LOUIS	19,282
	44	IOWA STATE	19,132
	45	SUNY-STONY BROOK	19,125
	46	BOSTON	18,987
	47	SUNY-ALBANY	18,800
	48	KENTUCKY	18,610
	49	VPI & SU	18,297
	50	RUTGERS	17,866
	51	BRITISH COLUMBIA	16,694
9	52	GEORGIA TECH	16,277
	53	RICE	16,211
	54	MIT	16,092
	55	MIAMI	15,214
	56	WASHINGTON STATE	15,201
	57	CALIF.,SAN DIEGO	14,622
	58	COLORADO	14,537
	59	VANDERBILT	13,900
	60	NEW MEXICO	13,739
	61	NORTHWESTERN	13,722
	62	JOHNS HOPKINS	13,700
	63	SOUTH CAROLINA	13,570
	64	TEXAS	13,477
	65	PENNSYLVANIA	12,868
	66	ALBERTA	12,617
	67	PURDUE	12,581
	68	MASSACHUSETTS	12,350
	69	KENT STATE	11,894
	70	CALIF.,IRVINE	11,410
	71	LAVAL	11,271
	72	MANITOBA	11,179
	73	DARTMOUTH	11,125
	74	MARYLAND	11,053
	75	LOUISIANA STATE	10,695
	76	OREGON	10,606
	77	NEBRASKA	10,390
	78	COLORADO STATE	10,196
	79	NEW YORK	10,074
10	80	HOUSTON	9,774
	81	TEMPLE	9,627
	82	HAWAII	9,621
	83	OKLAHOMA STATE	9,401
	84	UTAH	9,313
	85	WESTERN ONTARIO	9,050
	86	DELAWARE	8,844
	87	TULANE	8,711
	88	BROWN	8,623
	89	MCMASTER	8,416
	90	BRIGHAM YOUNG	8,223
	91	NOTRE DAME	7,748
	92	SASKATCHEWAN	7,481
	93	YORK	7,366
	94	YALE	7,360
	95	MICHIGAN STATE	7,351
	96	PRINCETON	7,176
	97	CALIF.,RIVERSIDE	6,634
	98	ALABAMA	6,555
	99	WATERLOO	6,317
	100	CALIF.,SANTA BARBARA	6,210
	101	GEORGETOWN	5,848
	102	SYRACUSE	5,605
	103	QUEEN'S	5,459
11	104	SOUTHERN CALIFORNIA	3,348
	105	HOWARD	2,859
	106	GUELPH	2,772

U/A - Unavailable

RANK ORDER TABLE 14: TOTAL ITEMS BORROWED

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 18,000 and over
2- 16,000-17,999
3- 14,000-15,999
4- 12,000-13,999
5- 10,000-11,999
6- 8,000-9,999
7- 6,000-7,999
8- 4,000-5,999
9- 2,000-3,999
10- under 2,000

Gp	Rank	Institution	Value
1	1	ILLINOIS	144,760
	2	BOSTON	34,111
	3	WISCONSIN	18,758
	4	OKLAHOMA	18,106
2	5	KANSAS	17,707
	6	CALIF.,BERKELEY	16,554
3	7	JOHNS HOPKINS	14,958
4	8	PENNSYLVANIA	13,855
	9	MICHIGAN	13,302
	10	TEXAS A&M	12,952
	11	MINNESOTA	12,322
5	12	SASKATCHEWAN	11,676
	13	ALBERTA	10,899
	14	MIAMI	10,853
	15	LAVAL	10,792
	16	OHIO STATE	10,566
	17	CONNECTICUT	10,333
	18	PENNSYLVANIA STATE	10,112
	19	CORNELL	10,063
	20	UTAH	10,020
6	21	CALIF.,LOS ANGELES	9,881
	22	RUTGERS	9,839
	23	COLORADO STATE	9,743
	24	KENTUCKY	9,566
	25	CALIF.,SANTA BARBARA	9,555
	26	MCGILL	9,552
	27	BRIGHAM YOUNG	9,544
	28	NORTHWESTERN	9,467
	29	SUNY-ALBANY	9,390
	30	INDIANA	9,364
	31	HARVARD	9,287
	32	TORONTO	9,035
	33	BRITISH COLUMBIA	9,014
	34	CINCINNATI	8,819
	35	COLORADO	8,455
	36	CALIF.,RIVERSIDE	8,286
	37	WASHINGTON U-ST. LOUIS	8,253
	38	VIRGINIA	8,173
7	39	HOUSTON	7,950
	40	TEXAS	7,934
	41	IOWA	7,926
	42	CALIF.,IRVINE	7,878
	43	NEW MEXICO	7,855
	44	ARIZONA STATE	7,714
	45	SUNY-BUFFALO	7,650
	46	MASSACHUSETTS	7,594
	47	MISSOURI	7,575
	48	VANDERBILT	7,376
	49	STANFORD	7,361
	50	COLUMBIA	7,296
	51	CASE WESTERN RESERVE	7,193
	52	PITTSBURGH	7,101
	53	ARIZONA	7,050
	54	CALIF.,DAVIS	7,047
	55	NEW YORK	6,846
	56	MCMASTER	6,822
	57	ROCHESTER	6,782
	58	TULANE	6,650
	59	QUEEN'S	6,616
	60	CALIF.,SAN DIEGO	6,572
	61	DARTMOUTH	6,543
	61	KENT STATE	6,543
	63	MANITOBA	6,480
	64	SOUTH CAROLINA	6,392
	65	PRINCETON	6,370
	66	FLORIDA	6,184
	67	SUNY-STONY BROOK	6,021
8	68	CHICAGO	5,787
	69	IOWA STATE	5,724
	70	NOTRE DAME	5,661
	71	OREGON	5,549
	72	EMORY	5,539
	73	FLORIDA STATE	5,471
	74	WASHINGTON	5,275
	75	SOUTHERN ILLINOIS	5,265
	76	PURDUE	5,084
	77	WATERLOO	4,969
	78	MICHIGAN STATE	4,950
	79	GEORGIA	4,936
	80	NEBRASKA	4,932
	81	BROWN	4,924
	82	TEMPLE	4,913
	83	LOUISIANA STATE	4,802
	84	OKLAHOMA STATE	4,549
	85	SYRACUSE	4,516
	86	GUELPH	4,400
	87	NORTH CAROLINA STATE	4,310
	88	YALE	4,289
	89	DUKE	4,274
	90	NORTH CAROLINA	4,220
9	91	ALABAMA	3,943
	92	TENNESSEE	3,906
	93	GEORGETOWN	3,840
	94	YORK	3,710
	95	VPI & SU	3,574
	96	MIT	3,319
	97	WASHINGTON STATE	3,282
	98	MARYLAND	3,006
	99	DELAWARE	2,926
	100	WESTERN ONTARIO	2,885
	101	RICE	2,599
	102	SOUTHERN CALIFORNIA	2,239
	103	GEORGIA TECH	2,196
	104	HAWAII	2,132
10	105	WAYNE STATE	1,782
	106	HOWARD	914

U/A - Unavailable

RANK ORDER TABLE 15: PROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 225 and over
2- 200-224
3- 175-199
4- 150-174
5- 125-149
6- 100-124
7- 75- 99
8- 50- 74
9- 25- 49

Gp	Rank	Institution	Value
1	1	HARVARD	318
2	2	CALIF.,LOS ANGELES	206
4	3	CALIF.,BERKELEY	173
	4	YALE	171
	5	CORNELL	166
	6	TORONTO	155
	7	STANFORD	154
	8	COLUMBIA	151
5	9	MICHIGAN	145
	10	TEXAS	140
	11	WISCONSIN	131
	12	ILLINOIS	127
6	13	WASHINGTON	119
	14	SOUTHERN CALIFORNIA	117
	15	NORTH CAROLINA	114
	16	PENNSYLVANIA STATE	112
	17	PENNSYLVANIA	111
	18	INDIANA	109
	19	OHIO STATE	108
	20	NEW YORK	106
	21	BRITISH COLUMBIA	103
	21	NORTHWESTERN	103
	23	MINNESOTA	101
7	24	RUTGERS	99
	25	PRINCETON	97
	26	ARIZONA	96
	26	DUKE	96
	26	FLORIDA	96
	29	VIRGINIA	92
	30	SUNY-BUFFALO	91
	31	BRIGHAM YOUNG	88
	31	JOHNS HOPKINS	88
	33	MIT	87
	33	PITTSBURGH	87
	35	HOWARD	86
	36	ALBERTA	85
	37	KANSAS	83
	38	MARYLAND	82
	39	IOWA	81
	40	CINCINNATI	79
	40	GEORGIA	79
	42	MCGILL	78
	43	CHICAGO	77
	43	MICHIGAN STATE	77
8	45	ARIZONA STATE	74
	46	BROWN	73
	46	GEORGETOWN	73
	46	LAVAL	73
	49	CALIF.,DAVIS	72
	50	TEMPLE	68
	51	LOUISIANA STATE	67
	51	NEW MEXICO	67
	51	SYRACUSE	67
	51	WASHINGTON U-ST. LOUIS	67
	55	CALIF.,SAN DIEGO	66
	55	CASE WESTERN RESERVE	66
	57	MIAMI	65
	57	TEXAS A&M	65
	57	VANDERBILT	65
	60	BOSTON	64
	60	KENTUCKY	64
	62	CONNECTICUT	63
	62	ROCHESTER	63
	64	HAWAII	62
	65	SUNY-ALBANY	61
	66	EMORY	60
	67	SOUTH CAROLINA	59
	68	MISSOURI	58
	69	CALIF.,SANTA BARBARA	57
	69	MANITOBA	57
	69	SOUTHERN ILLINOIS	57
	69	WAYNE STATE	57
	73	FLORIDA STATE	56
	73	MASSACHUSETTS	56
	73	VPI & SU	56
	76	TENNESSEE	55
	76	WESTERN ONTARIO	55
	78	NEBRASKA	54
	79	SUNY-STONY BROOK	52
	80	ALABAMA	51
	80	TULANE	51
	82	DELAWARE	50
	82	OREGON	50
9	84	GEORGIA TECH	49
	84	OKLAHOMA	49
	84	UTAH	49
	84	YORK	49
	88	IOWA STATE	48
	89	COLORADO	47
	89	HOUSTON	47
	91	CALIF.,IRVINE	46
	92	WASHINGTON STATE	44
	92	WATERLOO	44
	94	COLORADO STATE	43
	94	PURDUE	43
	96	NORTH CAROLINA STATE	42
	97	DARTMOUTH	41
	97	OKLAHOMA STATE	41
	99	NOTRE DAME	40
	99	QUEEN'S	40
	101	MCMASTER	39
	102	KENT STATE	38
	102	RICE	38
	104	SASKATCHEWAN	36
	105	GUELPH	33
	106	CALIF.,RIVERSIDE	32

U/A - Unavailable

RANK ORDER TABLE 16: NONPROFESSIONAL STAFF (FTE)

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 450 and over
2- 400-449
3- 350-399
4- 300-349
5- 250-299
6- 200-249
7- 150-199
8- 100-149
9- 50- 99

Gp	Rank	Institution	Value
1	1	HARVARD	575
	2	TORONTO	462
3	3	TEXAS	376
4	4	YALE	348
	5	STANFORD	339
	6	CORNELL	328
	7	CALIF.,LOS ANGELES	307
	8	MICHIGAN	306
	9	COLUMBIA	302
5	10	CALIF.,BERKELEY	292
	11	ILLINOIS	288
	12	ALBERTA	280
	13	PENNSYLVANIA STATE	278
	14	BRITISH COLUMBIA	275
6	15	RUTGERS	240
	16	PRINCETON	229
	17	WISCONSIN	226
	18	WASHINGTON	224
	19	INDIANA	218
	20	MCGILL	209
	21	WESTERN ONTARIO	207
	22	NORTH CAROLINA	204
	23	OHIO STATE	203
7	24	CHICAGO	199
	25	VIRGINIA	196
	26	LAVAL	190
	27	ARIZONA STATE	188
	28	CALIF.,DAVIS	187
	28	JOHNS HOPKINS	187
	30	MINNESOTA	186
	31	NEW YORK	183
	32	ARIZONA	179
	33	PENNSYLVANIA	177
	34	DUKE	173
	34	GEORGIA	173
	36	PURDUE	168
	37	PITTSBURGH	167
	38	CALIF.,SAN DIEGO	162
	39	SOUTHERN CALIFORNIA	157
	40	MIT	156
	41	MANITOBA	153
	41	QUEEN'S	153
	43	MARYLAND	150
8	44	FLORIDA	148
	44	NORTHWESTERN	148
	44	WATERLOO	148
	47	TEXAS A&M	147
	48	BOSTON	146
	48	NEW MEXICO	146
	50	HOWARD	145
	51	SYRACUSE	141
	52	CALIF.,SANTA BARBARA	139
	52	MCMASTER	139
	54	YORK	135
	55	TENNESSEE	134
	56	MICHIGAN STATE	131
	57	KANSAS	129
	58	KENTUCKY	127
	59	MISSOURI	126
	60	CINCINNATI	125
	60	WASHINGTON U-ST. LOUIS	125
	62	EMORY	124
	63	MIAMI	121
	64	LOUISIANA STATE	117
	65	NORTH CAROLINA STATE	116
	65	SUNY-BUFFALO	116
	65	SUNY-STONY BROOK	116
	65	TEMPLE	116
	65	VANDERBILT	116
	70	SASKATCHEWAN	115
	71	GEORGETOWN	112
	71	IOWA STATE	112
	71	MASSACHUSETTS	112
	71	SOUTH CAROLINA	112
	71	WAYNE STATE	112
	76	NEBRASKA	110
	77	GUELPH	109
	77	UTAH	109
	77	WASHINGTON STATE	109
	80	NOTRE DAME	106
	80	ROCHESTER	106
	82	DARTMOUTH	105
	82	VPI & SU	105
	84	BROWN	104
	84	HOUSTON	104
	86	COLORADO	100
	86	CONNECTICUT	100
9	88	IOWA	99
	88	TULANE	99
	90	HAWAII	98
	91	CALIF.,IRVINE	97
	91	FLORIDA STATE	97
	91	SOUTHERN ILLINOIS	97
	94	DELAWARE	96
	95	KENT STATE	94
	96	OREGON	89
	97	CALIF.,RIVERSIDE	83
	97	CASE WESTERN RESERVE	83
	99	OKLAHOMA	80
	100	COLORADO STATE	75
	100	SUNY-ALBANY	75
	102	RICE	72
	103	OKLAHOMA STATE	70
	104	ALABAMA	68
	105	GEORGIA TECH	50
	106	BRIGHAM YOUNG	44

U/A - Unavailable

RANK ORDER TABLE 17: TOTAL STAFF

The grouping of institutions below is done because, in a number of cases, there is a relatively insignificant difference between two institutions, which are nevertheless given two different rankings. In order to provide a "coarser" ranking, the institutions are thus clustered into groups according to the ranges specified here.

The ranges for the groups below are:

1- 650 and over
2- 600-649
3- 550-599
4- 500-549
5- 450-499
6- 400-449
7- 350-399
8- 300-349
9- 250-299
10- 200-249
11- 150-199
12- 100-149

Gp	Rank	Institution	Value
1	1	HARVARD	1,044
	2	CALIF.,BERKELEY	750
	3	TORONTO	735
	4	CALIF.,LOS ANGELES	695
2	5	YALE	636
3	6	COLUMBIA	597
	7	TEXAS	585
	8	STANFORD	584
	9	MICHIGAN	576
	10	ILLINOIS	556
	11	CORNELL	552
4	12	WISCONSIN	511
	13	INDIANA	509
5	14	OHIO STATE	469
	15	RUTGERS	465
	16	WASHINGTON	464
	17	PENNSYLVANIA STATE	457
6	18	BRITISH COLUMBIA	425
	19	MINNESOTA	417
	20	NORTH CAROLINA	408
	21	ALBERTA	402
7	22	FLORIDA	386
	23	PRINCETON	379
	24	SOUTHERN CALIFORNIA	377
	25	PENNSYLVANIA	373
	26	ARIZONA	365
	27	JOHNS HOPKINS	358
	27	NEW YORK	358
	29	CHICAGO	357
	30	GEORGIA	354
8	31	VIRGINIA	344
	32	NORTHWESTERN	343
	33	PITTSBURGH	333
	34	ARIZONA STATE	326
	35	MICHIGAN STATE	325
	36	MCGILL	323
	37	MARYLAND	318
	38	DUKE	317
	39	CALIF.,DAVIS	316
	40	WESTERN ONTARIO	310
	41	CALIF.,SAN DIEGO	300
9	42	BOSTON	299
	43	BRIGHAM YOUNG	298
	43	TEXAS A&M	298
	45	KANSAS	294
	46	CINCINNATI	283
	47	MIT	280
	48	GEORGETOWN	273
	49	LOUISIANA STATE	272
	49	SUNY-BUFFALO	272
	51	LAVAL	269
	52	HOWARD	265
	53	PURDUE	264
	54	NEW MEXICO	262
	55	KENTUCKY	261
	56	IOWA	259
	56	TEMPLE	259
10	58	MISSOURI	246
	58	SOUTHERN ILLINOIS	246
	60	MIAMI	243
	60	SYRACUSE	243
	62	ROCHESTER	240
	63	CALIF.,SANTA BARBARA	239
	64	YORK	238
	65	VANDERBILT	237
	66	MANITOBA	235
	67	WASHINGTON U-ST. LOUIS	231
	67	WAYNE STATE	231
	69	EMORY	230
	69	FLORIDA STATE	230
	69	TENNESSEE	230
	72	BROWN	229
	73	UTAH	226
	74	CONNECTICUT	225
	75	HAWAII	223
	76	HOUSTON	222
	77	WATERLOO	220
	78	SUNY-STONY BROOK	218
	79	QUEEN'S	216
	80	MASSACHUSETTS	213
	80	NORTH CAROLINA STATE	213
	82	CALIF.,IRVINE	211
	82	IOWA STATE	211
	84	WASHINGTON STATE	209
	85	NEBRASKA	207
	86	SOUTH CAROLINA	204
	87	COLORADO	203
	88	OREGON	200
11	89	MCMASTER	193
	89	VPI & SU	193
	91	TULANE	188
	92	KENT STATE	184
	93	OKLAHOMA	183
	94	DARTMOUTH	182
	95	CASE WESTERN RESERVE	180
	96	DELAWARE	177
	96	NOTRE DAME	177
	98	SASKATCHEWAN	171
	99	ALABAMA	170
	100	OKLAHOMA STATE	167
	101	GUELPH	157
	102	SUNY-ALBANY	156
12	103	CALIF.,RIVERSIDE	146
	104	RICE	144
	105	COLORADO STATE	141
	106	GEORGIA TECH	111

U/A - Unavailable

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ARL STATISTICS 1985-86

Instructions for Completion of the Questionnaire

1. Definitions of the statistical categories used in this questionnaire can be found in American National Standard for Library and Information Sciences and Related Publishing Practices - Library Statistics. Z39.7-1983. (New York, American National Standards Institute, 1983.)

2. The questionnaire assumes a fiscal year ending June 30, 1986. If your fiscal year is different, please provide a footnote on p. 4 of the questionnaire.

3. All figures should be rounded to the nearest whole number, except for Hours in work week (p. 3 of questionnaire).

4. If the appropriate answer is "0" or none, use "0." If an exact figure is unavailable, use "U/A." If a question is not applicable, use "N/A."

5. In a university which includes both main and branch campuses, an effort should be made to report figures for the main campus only. (The U.S. National Center for Education Statistics in its Higher Education General Information Survey described a branch campus as one "located in a community different from that of its parent institution ... beyond a reasonable commuting distance from the main campus ... The educational activities at the location must be organized on a relatively permanent basis ... and include course offerings for one or more complete college-level programs of at least one full year.") If figures for libraries located on branch campuses are reported, please provide an explanatory footnote on p. 4 of the questionnaire.

6. A branch library is defined as an auxiliary library service outlet with quarters separate from the central library of a system, which has a basic collection of books and other materials, a regular staffing level, and an established schedule. A branch library is administered either by the central library or (as in the case of some law and medical libraries) through the administrative structure of other units within the university. Departmental study/reading rooms are not included.

7. Questions 1-5. Use the ANSI Z39.7-1983 definition for "Volume" as follows:

> A physical unit of any printed, typewritten, handwritten, mimeographed, or processed work, contained in one binding or portfolio, hardbound or paperbound, which has been cataloged, classified, and made ready for use.

Include duplicates and bound volumes of periodicals. Exclude microforms, maps, nonprint materials, and uncataloged items. Exclude government document volumes unless they are cataloged, classified, and shelved as part of the general collection. If any of these items cannnot be excluded, please provide an explanatory footnote on p. 4 of the questionnaire. For purposes of this questionnaire, unclassified bound serials that are arranged in alphabetical order are considered classified.

8. Question 2. Include only volumes cataloged, classified, and made ready for use.

9. Question 6. Report number of volumes purchased. Include all volumes for which an expenditure was made during 1985-86, including volumes paid for in advance but not received during the fiscal year. Include monographs in series and continuations. If only number of titles purchased can be reported, please report the data and provide an explanatory footnote on p. 4 of the questionnaire. Note: this question is concerned with volumes purchased rather than volumes received or cataloged. Question 15 requests the expenditure for the volumes counted here.

10. Questions 7-9. Include duplicate subscriptions and only those government document serials that are cataloged, classified, and shelved as part of the general collection; do not include government documents serials that are housed in a separate government documents collection. Exclude monographic and publishers' series. A serial is

> "a publication issued in successive parts, usually at regular intervals, and as a rule, intended to be continued indefinitely. Serials include periodicals, newspapers, annuals (reports, yearbooks, etc.), memoirs, proceedings, and transactions of societies."

11. Question 10. Include number of reels of microfilm, number of microcards, and number of microprint and microfiche sheets. Exclude government document microforms.

12. Questions 11-14 - Personnel. Report the number of staff in filled positions, or positions which are only temporarily vacant. Include cost recovery positions and staff hired for special projects and grants, but provide an explanatory footnote indicating the number of such staff. If such staff cannot be included, provide a footnote on p. 4 of the questionnaire. The number of FTE staff should be determined on the basis of the length of the work week in the reporting library. Round figures to the nearest whole numbers. Please give the number of hours in the work week on p. 4 of the questionnaire.

13. Question 11. Since the criteria for determining professional status vary among libraries, there is no attempt to define the term "professional." Each library should report those staff members it considers professional, including, when appropriate, staff who are not librarians in the strict sense of the term, such as computer experts, systems analysts, budget officers, etc.

14. Questions 15-26 - Expenditures. Report all expenditures of funds that come to the library from the regular institutional budget and from other sources, such as research grants, special projects, gifts and endowments, and fees for service.

    Canadian libraries should report expenditures in both Canadian and U.S. dollars. To determine figures in U.S. dollars, divide Canadian dollar amounts by 1.3817, the average monthly noon exchange rate published in the Bank of Canada Review for the period July 1985 - June 1986.

15. Question 15. Include here expenditures for volumes reported on line 6.

16. Question 16. Exclude monographic and publishers' series.

17. Question 17. Include all materials except monographs and current serials, e.g. microforms, backfiles of serials, charts and maps, audiovisual materials, manuscripts, electronic media, etc.

18. Question 18. Include any other materials funds expenditures not included in questions 15-17, e.g., expenditures for bibliographic utilities, literature searching, security devices, memberships for the purposes of publications, etc. Please list categories, with amounts, in a footnote on p. 4 of the questionnaire.

19. Question 20. Include only contract expenditures. If all binding is done in-house, state this fact and give in-house expenditures in a footnote on p. 4 of the questionnaire; do not include personnel expenditures.

20. Questions 21-24. Exclude fringe benefits.

21. Questions 23-24. Report 100% of student wages. Include federal and local funds for work study students, regardless of budgetary source of funds.

22. Question 25. Exclude expenditures for buildings, maintenance, and fringe benefits.

23. Questions 27-28. Include both original materials and photocopies in lieu of originals.

24. Questions 29-30 - Ph.D. Degrees. Please note that only the number of Ph.D. degrees are to be counted. Statistics on all other advanced degrees (e.g., D.Ed., D.P.A., M.D., J.D.) are not included in this survey. If you are unable to provide a figure for Ph.D.s only, please note this in a footnote on p. 4 of the questionnaire.

25. Question 30. For the purposes of this report, Ph.D. fields are defined as the specific discipline specialties formerly enumerated in the form used by the U.S. Department of Education entitled, "Higher Education General Information Survey, Degrees . . . Conferred," designated as NCES Form 2300-2.1A-1.

    Although the HEGIS form requested figures for all doctoral degrees, only fields in which Ph.D.s are awarded should be reported on the ARL questionnaire. Any exceptions should be noted in a footnote on p. 4 of the questionnaire.

26. Questions 31-34 - Enrollment. U.S. libraries should use the 1985-86 enrollment figures reported to the Department of Education on the form entitled "Higher Education General Information Survey XX, Fall Enrollment and Compliance Report . . . 1985," designated as NCES Form 2300-2.3A. The line and column numbers on the HEGIS form for each category are noted on the questionnaire. Please check these figures against the enrollment figures reported to ARL in 1985 to ensure consistency and accuracy.

27. Question 35 - Faculty. U.S. libraries should report the number of faculty for the academic year 1985-86 that were reported to the Department of Education on HEGIS form 2300-3, line 7, columns 1 plus 4, and line 14, columns 1 plus 4. This form was entitled "Salaries, Tenure, and Fringe Benefits of Full-time Instructional Faculty" for 1985-86. Instructional faculty are defined as those members of the Instructional/Research staff who are employed on a full-time basis and whose major regular assignment is instruction, including those with released time for research.

28. Reporting libraries are urged to record in the footnote section any information that would clarify the figures submitted, e.g., the inclusion of branch campus libraries.

Explanatory footnotes will be included with the published statistics. Please make an effort to word your footnotes in a manner consistent with notes appearing in the published report, so that the ARL Office can interpret your footnotes correctly. For your convenience, a copy of your footnotes from the 1984-85 ARL Statistics is included in the questionnaire. (Please note that the number in parentheses refers to the appropriate column on the Library Data Tables in the published Statistics not to a line number on the questionnaire.) 1984-85 Footnotes are not included on Law and Medical library questionnaires.

29. After the questionnaire has been completed, please compare the figures with those submitted last year. On occasion, an error will be detected because of an unusual difference between numbers submitted this year and those for the preceding year. If an unusual change has occurred, please provide an explanatory footnote on p. 4 of the questionnaire.

30. Return one copy of each questionnaire to the ARL Office by October 15, 1986. If there are any questions about the procedure to be followed in completing these questionnaires, contact the ARL Office. Please be sure the library director has signed the questionnaires before they are returned to the ARL Office.

0740N

ASSOCIATION OF RESEARCH LIBRARIES

1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 (202) 232-2466

ARL STATISTICS QUESTIONNAIRE, 1985-86

If the appropriate answer is "0" or none, use "0." If an exact figure is unavailable, use "U/A." If a question is not applicable, use "N/A."

Reporting Institution _____ Date Returned to ARL _____

Questionnaire Completed by (Name) _____

Position _____ Phone _____

Contact Person (if different) _____

Position _____ Phone _____

COLLECTIONS *(See instructions 7-11)*

1. Volumes held June 30, 1985
(Exclude microforms, uncataloged govt. docs., maps, a/v material.
Record figure reported last year or footnote adjusted figure on p.4) _____
2. Volumes added during year—Gross
(Exclude microforms, uncataloged govt. docs., maps, a/v material)
(See instruction 8) _____
3. Volumes withdrawn during year
(Exclude microforms, uncataloged govt. docs., maps, a/v material) _____
4. Volumes added during year—Net (Subtract line 3 from line 2) _____
5. Volumes held June 30, 1986 (Add line 1 to line 4) _____
6. Number of monographic volumes **purchased**
(Volumes for which expenditures are reported on line 15. Footnote if titles)
(See instruction 9) _____
7. Number of current serials, including periodicals, **purchased**
(See instruction 10) _____
8. Number of current serials, including periodicals, **received but not purchased** (Exchanges, gifts, etc.) *(See instruction 10)* _____
9. Total number of current serials received (Add line 7 to line 8) _____
10. Total microform units held June 30, 1986 *(See instruction 11)* _____

PERSONNEL *(See instructions 12-13)* (Round figures to nearest whole number)

11. Number of professional staff, FTE *(See instruction 13)* _____
12. Number of nonprofessional staff, FTE _____
13. Number of student assistants, FTE _____
14. Total FTE staff (Add lines 11, 12, 13) _____

	Dollars Canadian (Canadian libraries only)	Dollars U S (Divide Canadian dollars by 1 3817)
EXPENDITURES *(See instructions 14-22)*		
15. Monographs (Expenditures for volumes reported on line 6)		
16. Current serials including periodicals *(See instruction 16)*		
17. Other library materials (e.g., microforms, a/v, etc.) *(See instruction 17)*		
18. Miscellaneous (All materials fund expenditures not included above) *(See instruction 18)*		
19. Total library materials (Add lines 15, 16, 17, 18)		
20. Contract binding *(See instruction 19)*		
21. Salaries and wages — professional staff *(See instruction 20)*		
22. Salaries and wages — nonprofessional staff *(See instruction 20)*		
23. Salaries and wages — student assistants *(See instruction 21)*		
24. Total salaries and wages *(See instruction 20)* (Add lines 21, 22, 23)		
25. Other operating expenditures *(See instruction 22)*		
26. Total library expenditures (Add lines 19, 20, 24, 25)		

INTERLIBRARY LOANS *(See instruction 23)*	
27. Total items loaned	
28. Total items borrowed	
PH.D. DEGREES *(See instructions 24-25)*	
29. Number of Ph.D.s awarded	
30. Number of fields in which Ph.D.s can be awarded *(See instruction 25)*	
ENROLLMENT — FALL 1985 *(See instruction 26)*	
31. Total full-time students (Line 14, columns 13 and 14)	
32. Total FTE part-time students (Line 28, column 15)	
33. Total full-time graduate students (Line 11, columns 13 and 14)	
34. Total FTE part-time graduate students (Line 25, column 15)	
FACULTY *(See instruction 27)*	
35. Number of full-time instructional faculty	

FOOTNOTES FOR ARL STATISTICS, 1985-86

(Compare with footnotes from previous year as they appear in the published *ARL Statistics* and revise as appropriate. For your convenience, a copy of your library's footnotes is given on p.4 of the questionnaire.) ***(See instruction 28)***

1. Law Library statistics are included.

   ☐ Yes ☐ No ☐ We do not have a Law Library.

   If yes, also please provide Law Library data on separate questionnaire.

2. Medical Library statistics are included.

   ☐ Yes ☐ No ☐ We do not have a Medical Library.

   If yes, also please provide Medical Library data on separate questionnaire.

3. Other main campus libraries not included:

   _____

   _____

   _____

4. Figures include reports from branch campus libraries. ***(See instruction 5)***

   ☐ Yes ☐ No ☐ We have only one campus.

5. If branch campus libraries are included, please specify which campuses:

   _____

   _____

6. If branch campus libraries are *not* included, please specify which campuses:

   _____

   _____

7. Basis of volume count is: ☐ Physical ☐ Bibliographical

8. Count of current serials (Questions 7-9) includes government document serials.

   ☐ Yes ☐ No

9. Fringe benefits are included in expenditures for salaries and wages (Questions 21-24).

   ☐ Yes ☐ No

10. Number of hours used in calculating work week, as reported for 1984-85 (Please change or correct as necessary)

    Professional _____ Nonprofessional _____ Student FTE _____

FOOTNOTES FOR ARL STATISTICS, 1985-86

11. Other comments:

_____

_____

_____

_____

_____

12. Footnotes as published in the 1984-85 *ARL Statistics*. Please indicate revisions, additions, and deletions as appropriate. Note: number in ( ) refers to the column in Library Data Tables in 1984-85 *ARL Statistics*.

Please return completed questionnaire to the ARL Office by **October 15, 1986.**

Reporting Institution: _____

Library Director's Signature: _____

Association of Research Libraries, 1527 New Hampshire Avenue, N.W., Washington, D.C. 20036 • (202) 232-2466

FOOTNOTES TO THE ARL STATISTIC, 1985-86

Institution	*Category from Main Tables*	*Notes*
ALABAMA		All figures are as of September 30, 1986.
	(7)	1,559 government documents included in 1984-85 figure excluded this year.
ALBERTA		All figures are as of March 31, 1986.
		Excludes Extension Library, Boreal Institute Library, St. Joseph's College Library, and Map Library.
	(9,10)	Figures do not include loans to Provincial government libraries, Extension library, Health Sciences Library, and Law Library extramural loans.
	(15,17)	Figures including outside funding would be (15) $1,737,902 (Can.); (17) $386,856 (Can.).
	(15-26)	Expenditures are University provided funding only.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $993,347; (16) $2,578,143; (17) U/A; (18) U/A; (19) $3,571,490; (20) $124,679; (21) $3,062,973; (22) $5,951,117; (23) $581,000; (24) $9,595,090; (25) $1,651,428; (26) $14,942,687.
ARIZONA	(1)	Includes government documents received through 1978.
BOSTON		Includes the Theology Library.
	(1)	1984-85 figure revised.
BRIGHAM YOUNG		Figures are as of August 31, 1986.
	(1)	1984-85 figure revised.
BRITISH COLUMBIA	(1-8,15-26)	Figures are as of March 31, 1986.

Institution	*Category from Main Tables*	*Notes*
BRITISH COLUMBIA (cont.)	(15)	Includes Other Library Materials (17) and Miscellaneous (18) expenditures.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $2,023,332; (16) $2,356, 985; (17) U/A; (18) U/A; (19) $4,380,317; (20) $202,553; (21) $3,763,783; (22) $5,114,117; (23) $873,859; (24) $9,751,759; (25) $969,910; (26) $15,304,539.
BROWN		Includes John Carter Brown Library and Annmary Brown Library.
CALIF., DAVIS		Includes Harrison Western Research Center Library Collection of 17,193 bound volumes and 57 non-document serials in Fair Oaks, California.
CALIF., LOS ANGELES	(1)	1984-85 figure revised.
	(1-3)	Initial volume count in 1940s was bibliographical; subsequent counts of added volumes have been physical.
	(11)	Professional staff include the following position titles: Specialist, Principle Administrative Analyst, Senior Administrative Analyst, Administrative Analyst, Programmer, Senior Accountant, MSO I-IV, Principle Editor, Senior Editor, and Library Assistant V.
CALIF., RIVERSIDE	(14)	Includes 1 FTE professional, 3 FTE non-professionals, and 3 FTE student assistants for project.
	(19)	Includes donations and budgeted funds.
	(23)	Includes $32,373 in federal work study funds.
	(25)	Includes grants, opportunity funds, and budgeted funds.
CALIF., SAN DIEGO	(7)	Includes monographic and publishers' series.
	(8)	Excludes government document microforms only if housed in separate collection.

Institution	*Category from Main Tables*	*Notes*
CALIF., SAN DIEGO (cont.)	(14)	Includes 17.4 FTE hired for cost recovery operations, special projects, and grants.
	(16)	Excludes monographic and publishers' series.
	(18)	Includes machine-readable data files ($6,749); data services ($26,162); memberships ($3,060).
	(24)	Includes $233,347 from research grants, special projects, and fees for services.
CALIF., SANTA BARBARA	(7)	Excludes government documents for the first time this year.
CANADA INSTITUTE FOR SCIENTIFIC AND TECHNICAL INFORMATION		Includes 15 branch libraries throughout Canada which serve the divisions of the National Research Council of Canada, CISTI's parent organization.
		All figures are as of March 31, 1986.
	(8)	Lower than previous year's report because 1984-85 figure included sheets which were actually part of units.
	(24)	Includes fringe benefits.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,756,880; (16) $6,186,621; (17) $164,546; (18) $78,979; (19) $8,187,026; (20) $79,334; (21) $3,174,431; (22) $3,547,893; (23) N/A; (24) $6,722,324; (25) $6,725,618; (26) $21,714,302.
CASE WESTERN RESERVE	(1-3)	Count is physical for some libraries and bibliographical for others.
CENTER FOR RESEARCH LIBRARIES	(10)	1984-85 revised to exclude uncataloged government documents for the first time. Figure includes other material that is uncataloged but arranged on shelves for use.
	(5-7)	Excludes state documents for the first time.

Institution	*Category from Main Tables*	*Notes*
CENTER FOR RESEARCH LIBRARIES (cont.)	(15,16)	Estimated figure.
CHICAGO	(16)	Includes monographs.
	(28)	Does not include 4,945 borrowed from the Center for Research Libraries.
	(22)	Includes 14 FTE on special projects.
CINCINNATI	(15)	Includes Other Library Materials (17).
	(16)	Includes Microforms.
	(26)	Includes $650,825 for development and installation of automated library system.
		Includes doctoral degrees in all fields and all doctoral degrees awarded.
COLORADO	(7)	Figure would be 23,092 if government documents included.
	(8)	Figure would be 3,221,186 if government documents included.
	(12)	Includes 1 FTE paid from grant funds and 4 FTE paid from auxiliary funds.
	(13)	Includes 23 FTE paid from work study funds.
	(18)	Bibliographic utility expenditures.
	(23)	Includes $163,120 in work study funds.
COLORADO STATE	(1)	1984-85 figure revised.
	(1-7)	Excludes government documents for the first time.
	(20)	Does not include $6,245 for in-house supplies costs.
	(24)	Excludes fringe benefits for the first time this year.

Institution	*Category from Main Tables*	*Notes*
COLORADO STATE (cont.)	(25)	Does not include $56,602 rent on Library storage facility.
COLUMBIA	(1)	1984-85 figure revised.
	(11-14)	Includes 7 FTE professional and 12 FTE non-professional on one-time grant funds.
CONNECTICUT		Includes Hartford Regional Library.
CORNELL		Includes Geneva Experiment Station.
	(1)	1984-85 figure revised.
	(5)	Includes newspapers not counted in previous years.
DARTMOUTH	(1)	1984-85 figure revised to exclude uncataloged government documents.
	(11-14)	Includes 2 FTE professional, 7 FTE non-professional, and 1 FTE student assistant paid from grant funds.
	(17)	Includes $162,125 for serial microforms and $5,476 for serial audio/visual.
	(18)	Included in (17).
DELAWARE		Figures do not include: Music Library, Political Science Library, Educational Resources Library, Urban Affairs Composite Materials Library, Institute of Energy Conversion Library, Disaster Research Center Library, Art Media Library, Oral History Library.
	(18)	Does not include major outlay for construction, furnishings, and equipment.
DUKE	(1)	1984-85 figure revised.
EMORY	(1)	Includes 2,465 volumes omitted by the Law Library from 1984-85 Statistics, and 265,987 government documents.
	(7)	Includes 1,975 government document serials.

Institution	*Category from Main Tables*	*Notes*
EMORY (cont.)	(11-26)	Figures are for fiscal year ending August 31, 1986.
	(14)	Includes 5 FTE cost recovery positions and 6 FTE paid from special project and grant funds.
	(18)	Database searches: $23,963 (Law Library). Bibliographic utilities: $32,016 (Law Library and Oxford Library).
		Number of full-time instructional faculty is for 1984-85.
FLORIDA	(25,26)	Does note include consultant fees of $52,250.
		Full-time and part-time graduate student figures include law and medical students.
FLORIDA STATE		Excludes Development Research School; includes branch campus in Panama City.
	(1)	1984-85 figure revised to exclude cataloged government documents. Includes audiovisual materials except for the law library.
	(8)	Excludes documents which were counted in previous years.
	(15)	Includes microforms, audiovisual materials, etc.
	(17)	Figure for law library only.
	(18)	Figure for law library only. Includes: OCLC ($19,879); LEXIS, NEXIS, and WESTLAW ($27,588).
GEORGETOWN	(1)	1984-85 figure revised.
	(11-14)	Includes 2 FTE professional and 1 FTE non-professional paid on grant funds.
	(19)	Includes $235,342 paid from special and grant funds.

Institution	*Category from Main Tables*	*Notes*
GEORGIA		Includes experiment stations at Griffin, Tifton, Skidaway, and Sapelo.
	(2)	Includes cataloged government documents, some of which are shelved together in the Main and Science Libraries.
	(9)	Includes some monographic series received on standing order.
GEORGIA TECH	(1-7)	Includes government documents that are cataloged, classified, and housed separately.
	(26)	Includes $134,836 in research, endowment, and gift funds.
GUELPH		All figures are as of April 30, 1986.
	(25)	Lower this year because of inordinately large purchase of audiovisual equipment last year.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $699,381; (16) $1,133,293; (17) $503,573; (18) U/A; (19) $2,336,247; (20) $66,190; (21) $1,416,940; (22) $1,924,858; (23) $140,017; (24) $3,481,815; (25) $79,980; (26) $5,964,232.
HARVARD		Includes research institutions in District of Columbia, Texas, and Italy.
	(1)	1984-85 figure revised.
	(8)	Includes some government documents.
	(26)	Separate figure for expenditures from grants and special projects not available. Expenditures do not include fringe benefits ($3,405,574), building and maintenance charged to library budget ($2,027,865). Total reported expenses including these items: $36,421,868. Cost recovery items ($1,907,652) are included this year.

Institution	*Category from Main Tables*	*Notes*
HARVARD (cont.)		Number of full-time instructional faculty excludes Medical School.
HAWAII		Excludes Industrial Relations Library, Hawaii Institute of Geophysics Library, and School of Public Health Reference Collection, all not under university libary administration.
	(5,6)	Estimated figures.
	(25)	Figure reflects major increase in automation expenses.
HOUSTON		All figures are as of August 31, 1986.
HOWARD	(17)	Figures for microforms and audiovisual materials are not maintained.
ILLINOIS	(7)	Estimated figure.
INDIANA	(1)	1984-85 figure revised to exclude government documents.
	(8)	Figure lower than 1984-85 because it excludes government documents.
IOWA	(5,7)	Includes only those government documents received on paid subscriptions.
	(11-14)	Includes staff on special RECON project.
	(16)	Expenditures for monographic series not available.
	(17)	Figure available for Law Library only ($70,342). Expenditures for other libraries are included in (15) and (16).
	(18)	Automation expenditures.
	(26)	Includes $42,104 in gifts, $106,033 in federal grant funds.
IOWA STATE	(7)	Figure excludes government documents for the first time this year.

Institution	*Category from Main Tables*	*Notes*
JOHNS HOPKINS		Includes Peabody Conservatory Library, Welch Medical Library, School of Hygiene and Public Health Library, Applied Physics Laboratory Library, and School of Advanced International Studies in Washington, D.C. and Bologna, Italy, the Center for Italian Studies in Florence, Italy, and the School of Continuing Studies' Columbia Center.
	(1)	1984-85 figure revised as a result of a bibliographic and physical count of the monograph collections.
	(22)	Includes funds obtained from other sources amounting to $500,973.
KANSAS		Includes School of Medicine in Kansas City.
	(1-3,9-10)	Includes History of Medicine Library collection, which is not included in other figures.
		Count of Ph.D. fields includes one joint program with Kansas State, for a total of 53 fields at Lawrence campus and 9 at Medical Center in Kansas City.
KENT STATE		Includes continuations.
	(6)	Estimated figure.
	(7)	Excludes 4,750 government serials.
	(8)	Excludes government documents for the first time this year.
	(11-14,24-26)	Figures include Audiovisual Services, Computer Assisted Instruction, and Teleproduction.
	(25)	Includes fringe benefits.
KENTUCKY	(7,8)	Figures exclude government documents.

Institution	*Category from Main Tables*	*Notes*
KENTUCKY (cont.)	(11-13)	Includes 3.1 FTE professionals, 2.1 FTE nonprofessionals, and .7 FTE students paid from grant funds.
	(13)	Includes 13.5 FTE students paid through work study funds (including some non-library units).
	(15,16)	Includes expenditures for Other Library Materials (17).
LAVAL	(15)	Includes $33,467 (Can.) in grant funds.
	(17)	Includes $445,421 (Can.) for the conversion on microfilm of part of the Scientific Library's periodical collections.
	(18)	Expenditures for online literature searching.
	(20)	Includes only special contracts and binding furniture. Most binding is done in-house. Salaries involved are $154,469 (Can.).
	(24)	Fringe benefits, which are not included, total Canadian $1,084,760 (U.S. $785,090).
	(15-26)	Expenditures reported in Canadian dollars were: (15) $858,909; (16) $1,445,394; (17) $489,519; (18) $177,344; (19) $2,971,166; (20) $85,875; (21) $2,988,159; (22) $4,062,268; (23) $82,611; (24) $7,133,038; (25) $851,792; (26) $11,041,871.
LIBRARY OF CONGRESS	(5-7)	Estimated figures.
	(8)	Adjusted figure.
LINDA HALL		All figures are as of December 31, 1985.
	(26)	Excludes $184,978 in fringe benefits; and $219,514 in plant maintenance.
LOUISIANA STATE		Includes Law Library and Veterinary Medicine Library.
	(1,3)	Includes bound government documents.

Institution	*Category from Main Tables*	*Notes*
LOUISIANA STATE (cont.)	(4)	Excludes private collection of approximately 30,000 volumes purchased by the library.
	(8)	Excludes government documents for the first time.
	(18)	Includes $179,760 for SOLINET; $20,000 for online searching; $12,035 for security system.
McGILL		All figures are as of May 31, 1986.
	(17)	Includes $653,418 (Can.) in special funds and $92,000 (Can.) in government grants toward specific collections.
	(18)	Includes $44,571 (Can.) for memberships; $18,764 (Can.) for Tattletape.
	(22)	Includes $180,567 (Can.) for contracted security services.
	(25)	Includes $72,179 (Can.) for retrospective conversion; $243,300 (Can.) for capital equipment; $340,000 (Can.) for automated acquisitions/cataloging.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,173,560; (16) $1,713,242; (17) $745,418; (18) $63,335; (19) $3,695,555; (20) $185,600; (21) $2,992,312; (22) $4,503,044; (23) $459,305; (24) $7,954,661; (25) $985,101; (26) $12,820,917.
McMASTER		All figures are as of April 30, 1986.
	(1)	1984-85 figure revised.
	(1,7,8)	Excludes government documents for the first time this year.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,682,400; (16) $1,707,587; (17) $931; (18) $4,150; (19) $3,395,068; (20) $94,870; (21) $1,404,949; (22) $2,686,489; (23) $290,315; (24) $4,381,753; (25) $514,934; (26) $8,386,625.

Institution	*Category from Main Tables*	*Notes*
MANITOBA		All figures are as of March 31, 1986.
	(11,12)	Includes 2 FTE professionals and 1 FTE nonprofessional paid through grant funds.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,158,202; (16) $1,532,012; (17) U/A; (18) U/A; (19) $2,690,214; (20) $155,878; (21) $2,161,627; (22) $2,805,835; (23) $409,556; (24) $5,377,018; (25) $739,157; (26) $8,962,267.
	(15,16,21,22,25)	Includes grant (in Canadian dollars): (15) $99,158; (16) $1,510; (21) $47,624; (22) $17,015; (25) $17,015.
MARYLAND		College of Library and Information Services data are included for collections and expenditures (except salaries and wages), but not for personnel.
	(13,24)	Expenditures for federal work study students are not included, but these students are included in the calculation of FTE student assistants.
		Ph.D. count includes all doctoral fields.
MASSACHUSETTS	(7)	Includes 322 serial titles received as U.S. depository items. These titles are fully cataloged, classified, and intershelved in the main and branch collections.
		Ph.D.'s awarded excludes 96 Ed.D. degrees.
MIT	(1)	1984-85 figure revised.
	(11,12)	Includes 4 FTE professionals and 2.5 FTE nonprofessionals paid through grant funds.
	(18)	Includes $96,878 for bibliographic utilities; $86,416 for literature searching.
	(26)	Includes $192,075 in grant funds.
MIAMI	(8)	Excludes government documents included in previous counts.
	(21)	Excludes director's salary.

Institution	*Category from Main Tables*	*Notes*
MIAMI (cont.)	(26)	Includes other sources of revenue as follows: gifts and endowments ($225,539); service fees ($317,642); and grants ($18,234).
MICHIGAN		Excludes Dearborn Campus Library, and the University of Michigan, Flint Library.
	(1)	1984-85 figure revised. Includes microforms in the Transportation Research Institute.
	(16)	Includes microform serials.
	(23)	Transportation Research Institute personnel budget is covered by parent institution except for $5,286.05.
MICHIGAN STATE	(14)	Includes 1.5 FTE paid from grant funds.
MINNESOTA	(1)	1984-85 figure revised.
	(1-10)	Excludes Immigration History Research Collection for the first time this year.
	(18)	Includes CLR dues ($26,661); South American Microfilming Project ($10,717); PL480 ($19,379).
MISSOURI	(4)	Titles, not volumes.
	(5)	Includes Law monographic series.
	(7)	Excludes monographic series for the first time this year.
	(18)	Includes $15,000 paid to OCLC by Law Library.
	(19,23-25)	Includes one-time grant of $2,028,000 from the state for library materials, processing special acquisitions, grant funds, copy service staff, special retrospective conversion project staff.
NATIONAL AGRICULTURAL LIBRARY		U.S.D.A. field libraries are not included.
		Figures are as of September 30, 1986.

Institution	*Category from Main Tables*	*Notes*
NATIONAL AGRICULTURAL LIBRARY	(16)	Includes Other Library Materials (17) and Miscellaneous (18).
	(24)	Includes fringe benefits.
NATIONAL LIBRARY OF CANADA		Figures for holdings, interlibrary loans, and expenditures are as of March 31, 1986.
	(4)	In addition to the number of monographic volumes purchased, two copies of documents published in Canada are received on legal deposit.
	(5)	Figure includes some retrospective serials.
	(6)	Figure is the number of serials that are received on legal deposit.
	(11-14)	Authorized person-years.
	(15,16)	Canadian monographs and serials are received on legal deposit.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $609,953; (16) $407,551; (17) $1,053,828; (18) $41,003; (19) $2,112,335; (20) $21,198; (21) $7,655,957; (22) $8,877,518; (23) $265,425; (24) $16,798,900; (25) $12,490,242; (26) $31,422,675.
NATIONAL LIBRARY OF MEDICINE	(11-26)	Statistics reflect the Library Operations component of the Library: Public Services, Technical Services, Bibliographic Services, and History of Medicine Divisions, as well as the Medical Subject Headings staff, the staff of the Regional Medical Library program, and the Office of the Associate Director for Library Operations. Also included are the Library's Office of Computer and Communications Systems and the Specialized Information Services Division.
NEBRASKA	(1)	1984-85 figure revised.
	(7)	Includes cataloged government documents.
	(4-6,16)	Does not include figures for law library, which are not available.

Institution	*Category from Main Tables*	*Notes*
NEBRASKA (cont.)	(18)	Includes $67,748 for "memberships for purposes of publications" for non-law libraries and $38,228 for law libraries.
NEWBERRY LIBRARY	(20)	Figure reflects costs for in-house binding, excluding personnel.
	(24,25)	Includes building operations costs.
NEW MEXICO	(1-3)	Includes some non-print volumes.
	(7,8)	Exclude government documents for the first time this year.
NEW YORK		All figures as of August 31, 1986.
	(4)	Excludes law and medical libraries.
		Number of full-time instructional faculty excludes Medical Hospital Faculty.
NEW YORK PUBLIC LIBRARY		Figures for 1985-86 not yet available; all figures reported are for 1984-85.
	(7)	Includes current and irregular serials and periodicals. In previous years, only periodicals were reported.
	(24)	Does not include Central Administration and Development Office.
NEW YORK STATE LIBRARY		All figures as of March 31, 1986.
	(1)	Includes cataloged government documents.
NORTH CAROLINA		Includes Institute of Marine Sciences Library.
	(11,12)	Includes 3 FTE professionals and 2 FTE nonprofessionals on special grant funds. Does not include 5 FTE paid from funds contributed by Duke and North Carolina State Universities for support of Triangle Research Libraries Network.

Institution	*Category from Main Tables*	*Notes*
NORTH CAROLINA (cont.)	(26)	Includes $1,916,212 in grants, trust, and other special funds. Does not include $182,393 in expenditures for the Triangle Research Libraries Network from funds contributed by Duke and North Carolina State Universities.
NORTH CAROLINA STATE		Includes Veterinary Medical Library.
	(1)	1984-85 figure revised to exclude some government documents.
	(25)	Includes purchase of a computer.
NORTHWESTERN		Includes Dental Library.
		All figures are as of August 31, 1986.
	(1)	1984-85 figure revised.
	(4)	Does not include Law and Medical libraries.
	(11-14)	Includes 2.0 FTE professionals, .3 FTE nonprofessionals, and 1.5 FTE student assistants on special grants and projects. Also includes 42.1 student assistants paid on federal work study funds.
	(15-26)	Includes project and grant funds as follows: (19) $259,344; (24) $9,480 of gift, grant, or endowment funds; (25) $220,776 of gift, grant, or endowment funds.
	(24)	Includes $243,812 in federal work study funds.
NOTRE DAME	(1)	1984-85 figure revised.
	(7)	Includes cataloged government documents.
	(8)	Does not include microforms in various departmental collections.
OHIO STATE		Includes University Archives.
	(5-7)	Includes cataloged government documents.
	(25)	Includes expenditures attributed in previous years to the University computer center.

Institution	*Category from Main Tables*	*Notes*
OKLAHOMA STATE		Excludes OSU Technical Institute in Oklahoma City and OSU School of Technical Training in Okmulgee.
	(12)	Includes 15 FTE temporary positions to assist in the implementation of the Library's automated system.
OREGON	(1)	1984-85 figure revised.
	(4)	Reported figure refers to titles.
	(7)	Excludes duplicate subscriptions.
	(12)	Includes 2 FTE in cost recovery positions.
	(13)	Includes 2.65 FTE in cost recovery positions.
	(17)	Estimated figure.
	(18)	Includes bibliographic utilities ($303,139); literature searching ($32,163); shipping charges ($69,897); and miscellaneous ($7,899).
PENNSYLVANIA STATE		Includes main campus and branches at Allentown, Altoona, Beaver, Berks, Delaware Co., DuBois, Fayette, Hazleton, McKeesport, Mont Alto, New Kensington, Ogontz, Schuykill, Scranton, Shenango Valley, Wilkes-Barre, York, Behrend College, King of Prussia Center for Graduate Studies, and Capital College at Middletown, PA.
	(1)	1984-85 figure revised to include Capital College's collection of 179,594 volumes for the first time this year.
PITTSBURGH		Excludes branch campus libraries at Johnstown, Greensberg, Bradford, and Titusville.
	(11,12)	Includes 5.5 FTE professionals and 3 FTE nonprofessionals paid from grant funds.
	(18)	Includes $5,934 from ILL payments.
PRINCETON	(24)	Figures in previous years included fringe benefits.

Institution	*Category from Main Tables*	*Notes*
QUEEN'S		Figures are as of April 30, 1986.
		Excludes Library of the Industrial Relations Center.
	(16)	Includes microforms.
	(17)	Includes audiovisual material only.
	(21)	Does not include Chief Law Librarian.
	(25)	Includes funds from cost recovery $164,162 (Can.).
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,123,959; (16) $1,402,740; (17) $7,376; (18) $350,106; (19) $2,884,181; (20) $120,517; (21) U/A; (22) U/A; (23) $255,404; (24) $4,344,682; (25) $393,894; (26) $7,743,274.
RICE	(8)	Excludes 31,341 in government documents.
	(9)	Includes interlibrary loans to corporate libraries.
	(14,22)	Includes salaried part-time student positions.
	(19,25,26)	Includes all sources of funding.
	(23)	Figure is for hourly positions only.
	(24)	Includes positions funded by external grants, contracts, and transfers from other university budgets and cost centers.
		Number of full-time instructional faculty includes FTE adjunct professors.
ROCHESTER		Includes Sibley Music Library of Eastman School of Music.
	(4)	Figure reported is titles not volumes.
	(7)	Includes purchased government document serials.
	(10)	Does not include government documents for the first time this year.

Institution	*Category from Main Tables*	*Notes*
ROCHESTER (cont.)	(15)	Includes microform series and backfiles of periodicals.
	(16)	Includes monographic and publishers' series.
	(18)	Medical library figure is $52,980.
RUTGERS		Figures include services to the basic medical sciences component, a non-Rutgers medical school, and campuses in Camden, Newark, and New Brunswick.
	(7)	Figure reduced because ARL definition of serial followed more closely than in past years.
	(11,14)	Does not include cost recovery positions and staff hired for special projects and grants.
SASKATCHEWAN		Excludes Theological College libraries on campus that are not part of the library system.
		Figures are as of April 30, 1986.
	(1)	1984-85 figure revised.
	(17)	Included in Monographs (15).
	(18)	Included in Other Operating Expenditures (25).
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,067,636; (16) $1,678,593; (17) U/A; (18) U/A; (19) $2,746,229; (20) $96,721; (21) $1,297,490; (22) $2,439,931; (23) $228,536; (24) $3,965,957; (25) $432,831; (26) $7,241,738.
		Figures for Total FTE Part-time Students and Total FTE Part-time Graduate Students based on registrations.
SMITHSONIAN		Includes Smithsonian Astrophysical Observatory in Cambridge, MA and Mt. Hopkins, AZ; Cooper-Hewitt Museum in New York City; and Smithsonian Tropical Research Institute in Panama. Excludes

Institution	*Category from Main Tables*	*Notes*
SMITHSONIAN (cont.)		Hirshhorn Museum and Sculpture Garden, Woodrow Wilson International Center for Scholars, Freer Gallery of Art, National Museum of American Art, and National Portrait Gallery.
		All figures are as of September 30, 1986.
	(2,4)	Figures reported are for titles rather than volumes.
	(7)	Number of serials received is reduced from previous years due to change in ordering procedure.
	(12)	Includes 7 FTE hired for two specific projects.
	(16)	Includes $5,000 grant for purchase of serials for Smithsonian Institution Tropical Research Institute branch library.
	(17)	Includes expenditures for: conservation ($12,500); database rental ($55,000); document delivery ($8,500); interlibrary loan ($3,500); memberships ($6,600).
	(18)	Includes expenditures for: Smithsonian Institution Libraries Bibliographic Information Systems ($125,000); contract cataloging ($170,000); retrospective conversion ($180,000).
SOUTH CAROLINA	(11)	Includes 1 FTE paid from grant funds.
		Enrollment figures do not include law and medical students.
SOUTHERN CALIFORNIA		Includes the Andrus Gerontology Center Library, the Hancock Library of Biology and Oceanography, and the Arnold Schoenberg Institute Library, and the Occupational Therapy/Physical Therapy and Nursing Collection. Does not include the Safety and Systems Management Library.
	(18)	Includes $216,412 for RLG membership and $107,526 for online searching.

Institution	*Category from Main Tables*	*Notes*
SOUTHERN CALIFORNIA (cont.)		Number of Ph.D.'s awarded is 1984-85 figure.
SOUTHERN ILLINOIS		Excludes Center for Dewey Studies; Papers of Ulysses S. Grant; Instructional Development, Research and Evaluation Faculty of Learning Resources Service; School of Medicine Library (Springfield), which is not administratively part of Library Affairs.
	(1)	1984-85 figure revised.
	(8)	Figure is lower due to adjustment in count.
STANFORD	(1)	1984-85 figure revised.
	(14)	Includes 12 FTE paid from grant and contract funds.
	(15-26)	Figures are as of August 31. 1986.
	(26)	Includes $454,984 in grant and contract funds. Excludes $500,000 outside funding for purchase of Taube-Baron Collection.
SUNY, ALBANY		Includes the Graduate Library of Public Affairs and Policy (formerly Hawley Library) on East campus.
	(4-7,26)	Figures are as of March 31, 1986.
	(7)	Excludes government document serials for the first time this year.
	(8)	Excludes government documents for the first time this year.
	(11-14)	Includes 1 FTE professional, 3 FTE nonprofessionals, and 1.5 FTE student assistants paid on grant funds. Excludes federal work study.
	(18)	Includes: ILL photocopying ($887); memberships ($25,591); bibliographic utilities ($165,493); and computer-based reference service ($26,970).
	(20)	Includes $20,000 in grant funds.

Institution	*Category from Main Tables*	*Notes*
SUNY, ALBANY (cont.)	(23)	Excludes federal work study allocations.
	(24)	Includes $52,633 in grant funds. Excludes federal work study allocations.
	(25)	Includes $31,367 in grant funds and $196,900 from revenue accounts.
SUNY, BUFFALO		Figures are as of March 31, 1986.
	(1)	1984-85 figure revised.
	(11,12)	Includes 5 professionals and 3 nonprofessionals FTE on special projects/grants.
		Ph.D.'s awarded are as of June 30, 1986.
SUNY, STONY BROOK		Figures are as of March 31, 1986.
	(7)	Excludes 6,000 government documents included last year.
	(8)	Includes government documents.
	(11-14)	Includes 1 FTE professional, 4.5 FTE nonprofessionals, and .8 FTE student assistants paid from Income Fund Reimbursable Account.
	(18)	Includes $24,917 for OCLC; $367 for equipment; and $2,568 for memberships.
	(19)	Includes $13,970 from Coordinated Collection Development Fund, New York State, and $15,000 "additional books" special grant from the State Legislature.
	(21-25)	Includes funds from Income Funds Reimbursable Account: (21) $20,576; (22) $41,349; (23) $8,625; (25) $44,469.
	(23)	Includes $131,354 work study funds.
	(25)	Includes $2,328 from grant funds.
SYRACUSE		Excludes Utica College.

Institution	*Category from Main Tables*	*Notes*
SYRACUSE (cont.)	(1)	1984-85 figure revised to exclude uncataloged government documents for the first time.
	(11)	Includes 3.5 FTE in Academic Computing Center.
	(18)	Figure included in Other Library Materials (17).
	(24)	Includes $112,890 for Academic Computing Center staff.
	(25)	Includes Academic Computing Center computer rentals, collection insurance, CRL dues, as well as regular operating expenditures.
		Ph.D.'s awarded include all doctoral degrees.
TEMPLE		Includes Ambler, Tyler School of Art, and Temple University City Center Campuses. Excludes Journalism; Health, Physical Education, Recreation, and Dance Libraries; and other departmental collections.
TENNESSEE	(4,7)	Excludes monographs in series and continuations.
	(6)	Excludes classified documents.
	(11)	Includes 1 FTE that is a temporary position.
	(15)	Excludes expenditures for monographs in series. Includes audiovisual material.
TEXAS		Figures are as of August 31, 1986.
		Includes the General Libraries, Law Library, and the Humanities Research Center.
	(14)	Includes 6 FTE staff hired on grant and/or recovery funds.
	(15)	Includes expenditures for Other Library Materials (17) and Miscellaneous (18).

Institution	*Category from Main Tables*	*Notes*
TEXAS (cont.)	(19)	Includes expenditures of $4,076,070 by General Libraries, $1,500,000 by Law Library, and $705,007 by Humanities Research Center.
	(22)	Includes Title II-C and federal work study funds.
		Ph.D.'s awarded includes D.Ed. degrees.
TEXAS A&M		All figures are as of August 31, 1986.
	(4)	Figure reported is titles not volumes.
	(8)	Figure includes an adjustment for a microform count completed December 31, 1985.
TORONTO		Reporting year changed to May 1-April 30. All figures are as of April 30, 1986.
		Includes only the libraries of the university within the President's budget; excludes libraries of the federated and affiliated institutions.
	(1,4,5,7)	Includes monographic series.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $2,956,741; (16) $3,419,227; (17) U/A: (18) U/A; (19) $6,375,968; (20) $258,832; (21) $5,848,359; (22) $9,419,367; (23) $1,621,915; (24) $16,889,641; (25) $1,419,864; (26) $24,944,305.
TULANE		Includes Delta Primate Center in Covington, Louisiana.
	(4,15,16)	Figures reported are a combination of titles and volumes, and exclude the Law Library and the Delta Primate Center.
UTAH	(1)	1984-85 figure revised to exclude bound government documents.
VANDERBILT	(1)	1984-85 figure revised, and does not include 13,000 hours of videotape.

Institution	*Category from Main Tables*	*Notes*
VANDERBILT (cont.)	(7)	Government documents excluded for the first time this year.
	(8)	Excludes 70,929 government documents included in 1984-85 figure.
	(9-10)	Excludes Law Library.
	(18)	Figure is for online searching and bibliographic utilities only.
VIRGINIA	(10)	Includes borrowing by the Science and Engineering Library for the first time this year.
	(16)	Includes expenditures for monographic series in Health Sciences Library.
	(18)	Includes expenditures for literature searching in Health Sciences and Law Libraries.
VIRGINIA POLYTECHNIC & STATE UNIVERSITY		Includes "open reserve" collection of approximately 10,000 volumes at Northern Virginia Graduate Center in Falls Church, Virginia.
	(7)	Estimated figure.
	(18)	Figure includes $89,120 for bibliographic utilities, $30,854 for literature searching, and $5,990 for memberships.
		Ph.D.'s awarded include Ed.D. degrees.
WASHINGTON	(1)	1984-85 figure revised.
	(4)	Excludes Law Library.
	(11-14)	Includes 2 FTE professionals, 4.5 FTE nonprofessionals, 17 FTE students paid from cost recovery operations.
	(21)	Includes Law Library nonprofessional staff.
WASHINGTON STATE	(5,6)	Estimated figure.
	(8)	Includes government documents.

Institution	*Category from Main Tables*	*Notes1*
WASHINGTON STATE (cont.)	(9)	Includes U.S.D.A.-NAL document delivery grant for the first time this year.
	(11-14)	Includes staff for Instructional Media Services. Includes .1 FTE professional and .5 FTE nonprofessional paid from grant funds and .2 FTE professional, 4.53 FTE nonprofessional, and 3.71 FTE student assistants paid from cost recovery programs.
	(15,16)	Includes microforms.
	(17)	Figures for Instructional Media Service purchase of film and videos only.
	(21,26)	Figures include all cost recovery accounts and grants for the first time this year. Also include Instructional Media Services staff.
WASHINGTON, ST. LOUIS	(4)	Excludes Medical Library. Law Library figure is titles not volumes.
	(8)	Excludes government documents for the first time.
WATERLOO		Figures include the Engineering, Mathematics and Science Library and the University Map and Design Library.
		Figures are as of April 30, 1986.
	(1)	Includes cataloged government documents.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,217,333; (16) $1,476,030; (17) $92,432; (18) U/A; (19) $2,785,795; (20) $86,051; (21) $1,675,496; (22) $2,604,791; (23) $269,310; (24) $4,549,597; (25) $839,505; (26) $8,260,948.
WAYNE STATE		All figures are as of September 30, 1986.
		Includes Ruether Archives of Labor and History for the first time this year.,
	(1)	1984-85 figure revised.
	(18)	Included in Other Library Materials (17).

Institution	*Category from Main Tables*	*Notes*
WESTERN ONTARIO		Figures are as of April 30, 1986.
		Excludes libraries of 3 affiliated colleges, School of Library and Information Science, and departmental libraries.
	(1)	1984-85 figure revised to include coded government documents.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,286,370; (16) $2,218,843; (17) U/A; (18) U/A; (19) $3,487,213; (20) $184,476; (21) $1,847,344; (22) $3,315,056; (23) $627,458; (24) $5,789,858; (25) $391,184; (26) $9,852,731.
WISCONSIN	(1)	Includes maps.
	(9,10)	Previous years' figures included items loaned from State Historical Society Library which is located on campus.
		HEGIS figure for full-time faculty is 1,435. This excludes 741 instructional faculty.
YALE		Include Lewis-Walpole Library in Farmington, Connecticut.
	(5,6)	Estimated figures.
		Number of full-time instructional faculty excludes Medical School.
YORK		All figures are as of April 30, 1986.
		Includes Glendon Campus.
	(1)	1984-85 figure revised to exclude government documents for the first time.
	(15-26)	Expenditures reported in Canadian dollars were: (15) $1,238,288; (16) $1,357,861; (17) $105,487; (18) $82,751; (19) $2,784,387; (20) $162,002; (21) $1,989,125; (22) $2,681,542; (23) $572,766; (24) $5,243,433; (25) $1,169,914; (26) $9,359,736.

Institution	*Category from Main Tables*	*Notes*
YORK (cont.)	(18)	Includes, in Canadian dollars: bibliographic utilities ($192,400); miscellaneous collection payments ($24,000); online searching ($23,955); gifts-in-kind ($58,751). Statistical information on enrollments is in fiscal full-time equivalents.

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